

OFFICE OF THE  
ARIZONA STATE MINE INSPECTOR

JOE HART



NINETY-SEVENTH  
ANNUAL REPORT  
For the  
CALENDAR YEAR 2008

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ANNUAL MESSAGE FROM  
JOE HART  
ARIZONA STATE MINE INSPECTOR



The Mission of this agency is to ensure the health and safety of people working at mines, coordinate the closure of abandoned mines on state and private land posing a threat to public health and safety, and to ensure that lands used for mining are properly reclaimed for public use once mining is completed.

The State Mine Inspector is a statewide elected constitutional officer and the director of the Office of the State Mine Inspector. The Office of the State Mine Inspector was established by the Constitution of the State of Arizona, Article XIX. This agency enforces statutes, rules, and regulations applicable to mine safety, health, and land reclamation under ARS Title 27 Minerals, Oil and Gas and Arizona Administrative Code Title 11 - Mining.

The agency helps ensure miner safety by inspecting work conditions and practices at active mining operations; investigating mine accidents, employee and public complaints about mine safety; and by conducting federally certified miner and instructor safety training. To protect the public against the dangers of abandoned mines, the agency investigates and inventories abandoned mine sites, evaluates their threat to public health and safety, coordinates securing or closure of those that are found to be dangerous, and promotes public safety regarding abandoned mines by "Stay Out Stay Alive" promotions, presentations and publications; complaint investigations and mine owner ARS 27-318 compliance notifications. Finally, the agency administers reclamation plans and assurances by enforcing the Mined Land Reclamation laws, rules and regulations for the restoration of disturbed lands to a safe and stable environmental condition.

## Program Summary

- The Arizona State Mine Inspector's (ASMI) Mine Safety Enforcement Program performed a total of 798 Health & Safety inspections of Mines and Contractors during 2008. 672 of the mining operations and 121 of the contractors were inspected which resulted in 100% inspection rate for the mines and a 56% inspection rate for the contractors on the mine sites. The Arizona Revised Statutes 27-124 requires all active mines be inspected annually. The agencies goal is to have Zero Fatalities and Zero Accidents at Arizona Mines. During 2008 there were two fatalities, one at the Asarco Ray Mine and one at the Freeport McMoRan Morenci Mine. The Arizona NFDL (non fatal days lost time) rate was 3.0 per 200,000 hours of work and the National NFDL rate was 2.3 per 200,000 hours of work. The Inspections department issued 707 notices of violations; no cessation orders were required during 2008. ASMI Inspector's investigated 20 employee and citizen complaints, issued 29 mine elevator operating permits and 19 underground diesel equipment operating permits. Mine operations under ASMI's jurisdiction include asphalt hot plants and concrete batch plants on mine properties, aggregate and decorative rock operations, quarries and processing plants; underground and open pit mines, mills, solvent extraction-electro winning plants, smelters, refineries, and rod plants. ASMI also inspects contractor's working at mine sites.
- The Education and Training Program certifies MSHA instructors, develops lesson plans, conducts classes, and organizes safety conferences for mine safety education and training. The emphasis is placed on miner's rights and current health and safety regulations in compliance with the Federal Mine Safety and Health Act of 1977, Title 30 CFR, Part 46, 47, 48, 49, 56, 57, 58 and 62.

In addition to mining company employees, contractors, vendors and others regularly exposed to mine hazards at a mine property are required to have various levels of training furnished by the Education and Training division. During 2008, 6067 certificates were issued to mine workers and contractors for completion of safety courses. Mine Inspector instructors received ratings of 4.5 plus on a five point scale for the quality and content of the training program provided.

- The Abandoned Mines Safety Program's efforts fall into two categories; the inventory of abandoned mine sites and the administration of the securing, remediation, and closure of abandoned mines. Field surveys locate mines within the 72,931,840 acres that comprise the State of Arizona. This survey records the exact location of abandoned mines using a global positioning satellite system. The inventory's objective is to produce an accurate count of abandoned mines, and describe the significant safety hazards and potential environmental hazards occurring with them. About 10,000 abandoned mines have been inventoried since the program was initiated in the early 1990's and over 3,365 of these have been evaluated and assessed for the risks they may pose. The database of surveyed abandoned mines is used to provide for the prioritization of significant public and environmental hazards for remediation and reclamation planning. The inventory

also allows the agency to accurately investigate public concerns and complaints, about abandoned mines in a timely manner. An abandoned mine might be a risk to public health and safety, but also may be used for criminal activities. The program assists law enforcement investigations of any known or suspected criminal activity. The administration of securing abandoned mines first prioritizes sites listed in the inventory based on the severity of the threat posed to public and environmental safety. Through this prioritization, structures are designed as necessary for abandoned mine closures on state lands. The cost of field construction work to secure these mines is provided the Abandoned Mine Safety Fund through mining industry donations, private citizen donations, and a matching appropriation from the legislature. The program performs regular monitoring to assure mine closures remain in good condition. The program coordinates identifying and securing abandoned mines with local, state, and federal agencies as well as other states and volunteer groups. Groups include the Yuma County Sheriff's Search and Rescue Group, the Maricopa County Sheriff's Office Mountain Search and Rescue Group, Arizona Department of Mines and Mineral Resources, Maricopa County Parks, Arizona State Land Department, Arizona Game and Fish, Arizona State Historic Preservation Office, Arizona Department of Environmental Quality, Department of Labor Mine Safety and Health Administration, Bureau of Land Management, Forest Service, Environmental Protection Agency, Western Governors Association, and the National Association of Abandoned Mined Land Programs, which is comprised of 27 states and three Indian Tribes.

- The Mined Land Reclamation Program, working in cooperation with mining companies, consultants, and other state and federal governmental agencies, approves or rejects mine reclamation plans and financial assurance mechanisms submitted by all metalliferous mining units, aggregate mine operations, and exploration operations with surface disturbances greater than five acres. During 2006, aggregate mining operators were required to submit reclamation plans for the first time, increasing the workload in this area by over 250 plans. Annual reviews and on-site inspections of the regulated mines are a part of the continual monitoring process to establish compliance to the Mined Land Reclamation laws, rules and regulations. These inspections will be coordinated with health and safety inspections to ensure an efficient and effective inspection program.

Our team of experienced mine safety professionals strive to continually improve programs and services of the Agency so Arizona will be not only a leader in mining production, but in SAFE PRODUCTION as well.

### **Mine Safety Enforcement**

During the calendar year of 2008, the inspection team performed 798 health and safety inspections, which identified 714 violations of the mining code for corrective actions by the mine operators. No Cessation Orders were issued to mine operators in 2008.

<b>Types of Operations</b>	<b>No. of Inspections</b>	<b>No. of Violations</b>	<b>No. of Employees</b>	<b>No. of Mines (Operating Units)</b>
Surface Metal Mines, Mills, SX-EW Plants, Smelters, and Refineries	82	98	9,476	57
Rock Products, Sand & Gravel, Pits, Quarries, Batch and Hot Plants	584	537	3,331	612
Underground Mines	11	6	53	3
Contractors	121	73	2,042	216
<b>TOTALS</b>	<b>798</b>	<b>714</b>	<b>14,902</b>	<b>888</b>

In addition to mine safety and health inspections, ASMI investigated complaints related to safety and health issues in mines and performed inspections of underground diesel equipment, elevators, and new electrical equipment installed in mines where permits are required.

- Annual Elevator Inspections with Permits Issued 29
- Underground Diesel Equipment with Permits Issued 19
- Citizen Complaints Investigated 9
- Employee Complaints Investigated 9
- Interagency Complaints from referrals 2
- New Electrical Equipment Installations 19
- Inspector Visits 27
- Reclamation Inspections and Visits 2
- Cessation Orders Issued 0

Combined efforts of mine operators with the agency's mine safety enforcement, education, and training programs provide significant tools to reduce and control the accident frequency for Arizona's mining industry. Incident rates from U.S. Department of Labor reports for NFDL (non fatal days lost time and/or restricted duty) accidents for metal, non metal, sand and gravel mines, and mills are shown in the table below. Incident rate is the number of NFDL accidents per 200,000 man-hours.

	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
National Accident Incidence Rate	2.7	2.5	2.4	2.3
Arizona Accident	3.0	2.8	3.0	3.0

Incidence Rate				
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### **Lost Time Accidents in 2008**

<b>Type</b>	<b>Company</b>	<b>Mine</b>	<b>No. of Accidents</b>
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#### **Overexertion**

American Asphalt	Carlota Copper	1
ASARCO, Inc.	Hayden	6
ASARCO, Inc.	Ray Complex	14
Cornerstone Materials	Various Quarries	3
Freeport McMoRan	Bagdad	5
Freeport McMoRan	Miami	2
Freeport McMoRan	Morenci	16
Freeport McMoRan	Sierrita	6
International Lining	Carlota Copper	1
Staker Parsons	Green Valley	1
Yuma County	North Gila Mine	1

#### **Struck By or Against**

Agate Inc.	Carlota Copper	1
American Sandstone	Various Quarries	1
Asarco, Inc.	Hayden	3
Asarco, Inc.	Ray Complex	3
Dunbar Stone	Mills Quarry	4
Horner Stone	Redbird Quarry	1
Eagle Steel Erectors	Carlota Copper	1
Freeport McMoran	Bagdad	4
Freeport McMoran	Miami	2
Freeport McMoran	Morenci	16
Freeport McMoran	Sierrita	2
Hunter Contracting	Johnson Camp	2
MR Tanner	Portable	1
Smithco	Various	1

#### **Contact With or By**

Arizona Portland	Rillito	1
Asarco, Inc.	Ray Complex	6
Asarco, Inc.	Hayden	9
Asarco, Inc	Mission Complex	1
CTI Leasing	Morenci	1
Freeport McMoran	Bagdad	9

Freeport McMoran	Miami	9	Freeport
McMoran	Morenci	11	
Freeport McMoran	Sierrita	3	
Harley Gray Stone	Oak / Appletree	4	
James Hamilton Const.	Morenci	2	

### **Caught On or In or Between**

Asarco, Inc.	Hayden Complex	2	
Asarco, Inc.	Ray Complex	1	Freeport
McMoran	Bagdad	7	
Freeport McMoran	Miami	2	Freeport
McMoran	Morenci	11	
Freeport McMoran	Sierrita	1	
James Hamilton Const.	Morenci	2	
Harley Gray Stone	Appletree	1	
SouthwestEnergy	SWE Shop/FMI Safford	1	
Yellow Hair Mining	Sleeping Beauty	1	

### **Fall from the Same Level or Below**

American Asphalt	Carlota	1	
Asarco, Inc.	Hayden Complex	6	
Asarco, Inc.	Ray Complex	1	
Carlota Copper	Carlota	1	
CPC Southwest	Rio Rico	1	
Freeport McMoran	Bagdad	5	
Freeport McMoran	Miami	4	Freeport
McMoran	Morenci	17	
Freeport McMoran	Sierrita	2	
Harley Gray Stone	Appletree	1	
International Lining	Carlota Copper	1	
Yellow Hair Mining	Sleeping Beauty	1	

### **Occupational Illness**

James Hamilton Const.	Morenci	1	
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**Total 225**

### **Fatal and Serious Accidents**

In 2008, two fatal accidents to miners at active mines were reported and investigated by the Arizona State Mine Inspector.



On August 15, 2008 at approximately 11:00 am, Mr. Peter Eudave, a 42 year old male was fatally injured while employed for Asarco at the Ray Mine site. Mr. Eudave was an Electrical Apprentice with fourteen years of mine experience. The fatal accident occurred at the Ray Mine tailings booster station when Mr. Eudave and his partner were attempting to repair a 480 volt light fixture. First Aid and Advanced Life support was administered on site, Mr. Eudave was air transported to Mountain Vista Medical Center in Mesa where he was pronounced deceased.

On September 1, 2008 at approximately 10:00 am, Mr. Raymon Alonso Saldana, a 67 year old male, was fatally injured while employed by GeoTemp working for Freeport McMoRan Morenci Operations as a conveyor belt repair consultant. Mr. Saldana had forty-five years of mining experience. Mr. Saldana was working at the Morenci Concentrator Bedding Plant, number six bed, B-C deck. Mr. Saldana fell twenty-eight feet through a hole approximately four feet by five feet in the grating. Grating had been removed to provide access to lower tools, materials, and conveyor belting to the ground.

## 2008 Operating Mines by County and Statewide

The following pages contain operating mines, plants, and contractors considered active in 2008. These figures represent some 888 operating units with over 14,902 workers.

### Registered Mining Companies by County and Type

Apache	Company	Mine / Plant Name	Type	Product
	Apache County Engineering	Stanford Pit	Aggregate Plant	Aggregates
	Apache County Engineering	Davis Pit	Cinders	Cinders
	Apache County Engineering	Houck Operations	Open Pit Mine	Aggregates
	Arizona Silica Sand Co.	Cheto Mine	Open Pit Mine	Sand, Industrial
	C & C Cinders	C & C Cinders	Cinders	Cinders
	Cedar Creek Stone LLC	Salado	Quarry	Stone, Dimension
	Hall n Aggregate Trucking & Materials	Cheto Mine # 2	Aggregate Plant	Sand & Gravel
	Highland Trucking & Excavation	Hall Pit	Aggregate Plant	Aggregates
	Town of Eager	Highland	Cinders	Cinders
	Town of Springer Ville	Feldman	Aggregate Plant	Sand & Gravel
	White Mountain Rock Products	C & C Cinders	Aggregate Plant	Aggregates
	White Mountain Rock Products	Cheto Mine 1	Aggregate Plant	Aggregates
	Town of Eager	Eager Cinder Pit	Cinders	Cinders
	Town of Springer Ville	Various Mine Sites	Aggregate	Sand &

			Plant Aggregate Plant	Gravel Aggregates
	White Mountain Rock Products	Barth Pit		
	White Mountain Rock Products	Richville Pit	Aggregate Plant	Aggregates
<b>Cochise</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	American Rock Products LLC DBA JC Rock\ Formerly JC Rock, LLC Cemex USA	JOHNSON CAMP MINE	Open Pit Mine	Rip/Rap
	Cemex USA	Plant 229 Sierra Vista	Batch Plant	Concrete
	Cemex USA	Plant 229 Sierra Vista	Aggregate Plant	Aggregates
	Chemical Lime Company City of Bisbee Copreco LLC.	Douglas Plant Copper Queen Copreco LLC.	Quarry Mine Tour Bio Sulfide Plant	Lime Copper
	Cross Spear Marble, Inc. Freeport McMoRan Copper & Gold Bisbee	Cross Spear Pit Copper Queen	Quarry Reclamation	Marble Copper
	Granite Construction Company	Babocomari Pit	Aggregate Plant	Sand & Gravel
	Granite Construction Company Huachuca Concrete, Inc dba AzConAgg	Babocomari Ocotillo Batch Plant	Asphalt Plant Batch Plant	Asphalt Concrete
	Huachuca Concrete, Inc. dba AzConAgg	Ocotillo Pit	Aggregate Plant	Aggregates
	Huachuca Concrete, Inc. dba AzConAgg	Kino Pit	Aggregate Plant	Sand & Gravel
	Huachuca Concrete, Inc. dba AzConAgg	Kino Batch Plant	Batch Plant	Concrete
	Klump Ranches LLC / Formerly St. Cloud Mining Co. Maddux & Sons, Inc.	Luzena Quarry		
	Maddux & Sons, Inc.	Leslie Canyon Plant	Aggregate Plant	Aggregates
	Maddux & Sons, Inc.	Snure Pit	Aggregate Plant	Aggregates
	Maddux & Sons, Inc.	Leslie Canyon Batch Plant	Aggregate Plant	Aggregates
	Maddux & Sons, Inc.	Bingham Pit	Aggregate Plant	Aggregates
	Nord Resources Corp.	JOHNSON CAMP MINE	SX-EW Plant	COPPER
	Oldcastle Architectural Products dba Young Block Sierra Materials LLC. aka Vista Materials	Sierra Vista Sand Pit Sierra / Vista Pit	Aggregate Plant Sand & Gravel	Aggregates
	Strong Hold Redi-Mix	Grim	Wash Plant	Sand & Gravel
	Strong Hold Redi-Mix	Willcox Pit	No Activity	Sand & Gravel
	Strong Hold Redi-Mix	Grim	Batch Plant	Concrete

Texas Canyon Rock & Sand	Texas Canyon Rock & Sand	Aggregate Plant	Aggregates
Tombstone Materials Inc.	Emerald Pit	Aggregate Plant	Aggregates
UOP Molecular Sieve	Bowie Operation	Open Pit Mine	Chabazite Clay
Willcox Rock & Sand	Riggs Pit	Aggregate Plant	Sand & Gravel
Willcox Rock & Sand	Riggs Pit	Batch Plant	Concrete

Coconino	Company	Mine / Plant Name	Type	Product
	3 Wins Quarries	Lola Lee	Quarry	Flagstone
	A-Rock	Grey Mountain Pit	Aggregate Plant	Sand & Gravel
	Allen Grantham	Grantham Pit	Cinders	Cinders
	Arizona Tufflite, Inc.	White Vulcan & More Sand Mines	Open Pit Mine	Pumice
	Blaser Corp dba American Sandstone	Apache Quarry	Quarry	Flagstone
	Blaser Corp. dba American Sandstone	Golden Buckskin-Drake	Quarry	Sandstone
	Blaser Corp. dba American Sandstone	Black Cat Quarry	Quarry	Flagstone
	Blaser Corp. dba American Sandstone	Geronimo	Quarry	Flagstone
	Canipe Trucking	Blue Bird	Surface	Flagstone
	Coconino Cinders Sales	Wildcat Hill Pit	Open Pit	Cinders
	Coconino County Public Works	Sheep Hill	Open Pit	Cinders
	Cornerstone Materials LLC	Santa Cruz Quarry	Quarry	Flagstone
	Cornerstone Materials LLC	Mills Quarry	Quarry	
	Drake Stone	Diamond 7 Red	Quarry	Flagstone
	Drake Stone	Diamond 7 Oak	Quarry	Flagstone
	Dunbar Stone	Roeder Quarry / Redbird Quarry / Bluejay / Billy 1&2	Quarry	Flagstone
	Dunbar Stone	Armstrong Rose	Quarry	Flagstone
	Dunbar Stone	Yellow Buck	Quarry	Flagstone
	Dunbar Stone	Quarry-Ash Fork		
	Dunbar Stone	Bluejay Quarry-Ash Fork	Quarry	Flagstone
	Dunbar Stone	Billy 1 and 2	Quarry	Flagstone
	Dunbar Stone	Antolini Red	Quarry	Flagstone
	Dunbar Stone	Quarry-Ash Fork		
	Dunbar Stone	Blue		
	Dunbar Stone	Moon/Mattahorn	Quarry	Flagstone
	Dunbar Stone	Ash Fork Crusher	Aggregate Plant	Flagstone
	Dunbar Stone	Corva Canyon	Sandstone	Flagstone
	Dunbar Stone	Straight Arrow	Sandstone	Flagstone
	Dunbar Stone	Yellow Wasp	Sandstone	Flagstone
	Espee Cinder Pit	Perrin Pit	Quarry	Cinders

Flagstaff Concrete Products, LLC.	Fisher Pit 1A & A1	Open Pit Mine	Sand & Gravel
Flagstaff Landscape Products	Red Pit	Open Pit Mine	Cinders
Hammond Wholesale	Fitzgerald Quarry-Ash Fork	Quarry	Flagstone
Hammond Wholesale Flagstone	Hammond Oak	Quarry	Flagstone
Hammond Wholesale Flagstone	Hammond Stone Mountain Quarry	Quarry	Flagstone
Harley Gray Stone	Appletree Quarries-Drake	Quarry	Flagstone
Harley Gray Stone	Mary Lee Quarry-Drake	Quarry	Flagstone
Harley Gray Stone	Red	Quarry	Flagstone
Harley Gray Stone	Oak Quarry	Quarry	Flagstone
Harley Gray Stone	Red Quarries-Ashfork	Quarry	Flagstone
Harley Gray Stone	Nine Strike Quarry-Drake/Chi Chi	Quarry	Flagstone
Harley Gray Stone Company	Oak	Quarry	Flagstone
Flagstaff Concrete Products, LLC.	Fisher Pit 1A & A1	Open Pit Mine	Sand & Gravel
Flagstaff Landscape Products	Red Pit	Open Pit Mine	Cinders
Hammond Wholesale	Fitzgerald Quarry-Ash Fork	Quarry	Flagstone
Horner Stone	Bacon & Beans Quarry	Quarry	Flagstone
Horner Stone	Cucomunga Quarry	Quarry	Flagstone
Horner Stone	J.B. Lite	Quarry	Flagstone
Horner Stone	Nichols Quarry	Quarry	Flagstone
Horner Stone	Switchback	Quarry	Flagstone
Horner Stone Inc	Mary Ann	Sandstone	
Howard Gray Stone	Ground Quarry formerly Above House Quarry	Quarry	Flagstone
Howard Gray Stone	Rosa Quarry-Drake	Quarry	Flagstone
Howard Gray Stone	Million \$ Buff formerly Peach Quarry	Quarry	Flagstone
Horner Stone	Bacon & Beans Quarry	Quarry	Flagstone
Horner Stone	Cucomunga Quarry	Quarry	Flagstone
J.S. Redpath Corp.	Arizona # 1 Project	Contractor	Uranium
Levin Stone Co., Inc.	Buckskin II	Quarry	Flagstone
Levin Stone Company, Inc.	Ferno Quarry	Quarry	Flagstone
Levin Stone Company, Inc.	John Brown Quarry	Quarry	Flagstone
Levin Stone Company, Inc.	Paradise	Quarry	Flagstone
Levin Stone Company, Inc.	Quarry Tank	Quarry	Flagstone
Levin Stone Company, Inc.	Hillside Red	Quarry	Flagstone
Levin Stone Company, Inc.	Ash Fork Draw	Quarry	Flagstone
Levin Stone Company, Inc.	Oaky	Quarry	Flagstone
Levin Stone Inc.	Stone Mountain	Quarry	Flagstone

LP's Excavating formerly Olson Brothers / Williams Cinders Miller Mining	LP's Cinders Miller Pit	Quarry Open Pit Mine	Cinders Cinders
Northern Arizona Materials (formerly Az. Pacific Materials) Pryor Clinger Properties, LLC (Flagstaff Concrete Products, LLC) Q-Max Co.	Brothers Mine Kincanon One Pit Red Lake Quarry	Open Pit Mine Open Pit Mine Aggregate Plant	Cinders Sand & Gravel Sand & Gravel
Recyclable Resources Inc. Rinker Materials	Monterola Quarry Sheep Hill	Surface Open Pit Mine	Aggregates Cinders
Rinker Materials, Inc.	Plant # 337 / Gray Mountain	Aggregate Plant	Aggregates
Rinker Materials, Inc.	UM Plant # 336 Sunset Crater-McCormick	Aggregate Plant	Sand & Gravel
Schuck Development	Ruin Pit	Aggregate Plant	Sand & Gravel
Star Stone Quarries aka American Stone aka Kaibab Stone Stoneworld	Crookton / Stone Mountain Classic Oak Quarry-Ash Fork	Quarry Quarry	Flagstone Flagstone
Stoneworld	Lizard Group	Quarry	Flagstone
Stoneworld	Champagne Quarry	Quarry	Flagstone
Stoneworld	JR Rosa Quarry-Ash Fork	Quarry	Flagstone
Superlite Block	Darling/Winona	Open Pit Mine	Cinders
V & E Materials	M&M / Rocky II	Aggregate Plant	Sandstone

<b>Gila</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	ASARCO, Inc	ASARCO Mine	Surface	Sand & Gravel
	ASARCO, Inc.	Hayden Hayden Concentrator	Mill	Copper
	ASARCO, Inc.	Hayden Smelter	Smelter	Copper
	BHP Copper, Inc.	Pinto Valley / Miami Operations	SX-EW Plant	Copper
	Carlota Copper Company	Carlota	Open Pit	Copper
	Cemex	Globe Plant 601	Aggregate Plant	Aggregates
	Cemex	Globe Plant # 601 / Nugget Pit	Aggregate Plant	Sand & Gravel
	Cemex	Globe Batch Plant	Batch Plant	Concrete
	Cemex	Globe Hot Plant	Hot Plant	Asphalt
	Freeport McMoRan Copper & Gold Miami	Mine, SX/Tankhouse/Administration	SX-EW Plant	Copper
	Freeport McMoRan Copper & Gold Miami	Rod Plant	Rod Plant	Copper
	Freeport McMoRan Copper & Gold	Smelter	Smelter	Copper

Miami				
Gila Redi-Mix,		Slate Creek Plant	Aggregate	Granite/Decor
Goat Creek Mining		tonto	Plant	ative Stone
Hunt Materials		Goat Creek Star	Aggregate	Granite/Decor
		Valley	Plant	ative Stone
		Hunt Pit	Aggregate	Aggregates
			Plant	
Hunt Materials		Young Batch Plant	Batch Plant	Concrete
Payson Concrete & Materials		Red Select Quarry	Aggregate	Aggregates
		aka Pine Quarry	Plant	
Payson Concrete & Materials		Payson Plant	Aggregate	Aggregates
			Plant	
Payson Concrete & Materials		Tonto Basin Pit	Aggregate	Aggregates
			Plant	
Payson Concrete & Materials		Tonto Basin Batch	Batch Plant	Concrete
		Plant		
Payson Concrete & Materials		Payson Batch Plant	Batch Plant	Concrete
Payson Concrete & Materials		Payson Hot Plant	Hot Plant	Asphalt
R & H Boulders		R & H Mine	Screening	Granite/Decor
			Plant	ative Stone
Smithco Enterprises, Inc.		Various Mine Sites	Aggregate	Silica/Slag
			Plant	
Star Valley Granite		Star Valley Granite	Aggregate	Granite/Decor
			Plant	ative Stone
Washington Group International		BHP Billiton	Open Pit	Copper
Yellow Hair Trading & Mining		Sleeping Beauty at	Open Pit	Gemstones
		BHP Copper Cities	Mine	
		Operation		

<b>Graham</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	CKC Construction	Airport Pit	Aggregate	Sand &
			Plant	Gravel
	CKC Construction	Airport Batch Plant	Batch Plant	Concrete
	CKC Construction	Airport Hot Plant	Hot Plant	Asphalt
	Freeport McMoRan Copper & Gold	Phelps Dodge	Surface	
	Safford	Safford Inc.		
	Freeport McMoRan Safford	Lone Star Project	Underground	Copper
	Incorporated		Mine	
	J. T. S. Construction, Inc.	Daley Pit	Aggregate	Sand &
			Plant	Gravel
	Korwin Inc.	ONE TRACK	Open Pit	
			Mine	
	Matthewsville Excavating	Matthewsville Pit	Aggregate	Sand &
			Plant	Gravel
	Matthewsville Sand & Gravel	Rowley Lane	Sand &	
			Gravel	
	Roadrunner Ready Mix, Inc.	Concrete & Gravel	Batch Plant	Concrete
	Smith & Bell Construction	Graham Pit	Aggregate	Sand &
			Plant	Gravel
	Smith & Bell Construction	Graham Batch	Batch Plant	Concrete
	Tri County Materials	Morris Pit # 1	Aggregate	Aggregates
			Plant	
	Tri County Materials	Morris Pit #1	Hot Plant	Asphalt

	Tri County Materials	Safford Batch Plant	Batch Plant	Concrete
<b>Greenlee</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	Freeport McMoRan Copper & Gold Morenci	Morenci Hydro-Met SXEW	Open Pit Mine	Copper
	Freeport McMoRan Copper & Gold Morenci	Morenci Mine	Open Pit Mine	Copper
	Greenlee County	Viriden Pit	Aggregate Plant	Sand & Gravel
	Oakcreek Sand & Gravel	Old Viriden Highway Pit	Aggregate Plant	Aggregates
	Tipton Contracting	Tipton	Aggregate Plant	Aggregates
	Wilkins Exploration & Development Company	"R" Mountain Mine	Exploration	Gold & Silver
<b>La Paz</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	American Bonanza Gold Corp	Copperstone Mine	Underground Mine	Gold
	C & H Equipment LLC dba Westgate*	Golconda	Underground Mine	Gold & Silver
	Dobbins & Dobbins	Dobbins	Open Pit Mine	Aggregates
	Double J Sand and Rock, L L C	Double J	Aggregate Plant	Aggregates
	Double J Sand and Rock, L L C	Double J Batch Plant	Batch Plant	Concrete
	Fort McDowell Yavapai Materials aka Marble Environmental Stabilization Materials	White Pit	Aggregate Plant	Decorative Stone
	International Energy & Resources Inc. a wholly-owned subsidiary of USAR, Inc.	Chaistain Mine	Open Pit Mine	Gold
	La Paz County Public Works	Vicksburg Pit - ADEQ 100981	Aggregate Plant	Aggregates
	La Paz County Public Works	Parker South Pit	Aggregate Plant	Aggregates
	La Paz County Public Works	Cibola Pit	Aggregate Plant	Aggregates
	Mineral Aggregate Recycling Service	Ehrenberg Wash Pit	Aggregate Plant	Aggregates
	Murphy Landscaping dba Rio Del Monte Mine	Rio Del Monte Mine	Aggregate Plant	Decorative Stone
	Pioneer Sand Company	Quartzite Pit	Aggregate Plant	Decorative Stone
	Q Mountain Rock & Sand	Q-Mountain	Aggregate Plant	Sand & Gravel
	Sunset Marble Company, LLC.	Copper Chief Mine	Aggregate Plant	Decorative Stone
<b>Maricopa</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	ABC Sand & Rock	Camelback Road	Aggregate	Sand &

ABC Sand & Rock Co., Inc.	Pit ABC Plant #2	Plant Surface	Gravel Sand & Gravel
American Materials Group LLC	Glendale Plant	Batch Plant	Concrete
American Sand & Rock	Cat Claw Mine	Aggregate Plant	Decorative Stone
Arizona Materials LLC.	Plant # 7 Glendale	Cement Plant	Concrete
Arizona Materials LLC.	Plant # 5 Val Vista	Batch Plant	Concrete
Arizona Materials LLC.	Plant # 6 Hatfield	Batch Plant	Concrete
Arizona Materials, LLC.	43rd Ave. & Lower Buckeye	Batch Plant	Concrete
Arizona Materials, LLC.	43rd Ave. & Lower Buckeye	Aggregate Plant	Aggregates
Arizona Metro Mix	Plant 2- Glendale	Batch Plant	Concrete
Arizona Natural Gold Excavation and Reclamation Inc.	Apache Gold Boulder Mine	Quarry	Aggregates
Aztec Mining	Anchor Bay Pit	Aggregate Plant	Aggregates
Bill Russell	Russell Farms	No Activity	
Calportland Company	Maricopa Batch Plant	Batch Plant	Concrete
Calportland Company	Deer Valley Batch Plant	Batch Plant	Concrete
Calportland Company	Tolleson Batch Plant	Batch Plant	Concrete
CalPortland Company formerly Imix	Bullard Mine	Aggregate Plant	Sand & Gravel
CalPortland Company formerly Imix	Bullard Batch Plant	Batch Plant	Concrete
CalPortland Company formerly Imix	Bullard	Surface	
Cemex	West Valley Plant #1371	Aggregate Plant	Sand & Gravel
Cemex	Jomax Plant	Aggregate Plant	Aggregates
Cemex	Bard Ranch Batch Plant #4107	Batch Plant	Concrete
Cemex	El Mirage Plant	Batch Plant	Concrete
Cemex	107th ave. /Plant 146	Aggregate Plant	
Cemex	El Mirage Plant	Aggregate Plant	Aggregates
Cemex	107th Ave. Asphalt Plant	Hot Plant	Asphalt
Cemex	Bard Ranch	Aggregate Plant	Sand & Gravel
Cemex	Table Mesa Plant	Decorative Stone	
Cemex	Bard Ranch Batch Plant #1995	Batch Plant	Concrete
Cemex Construction Materials	Sun City Plant	Aggregate Plant	Sand & Gravel
Cemex Construction Materials	Sun City Batch Plant	Batch Plant	Concrete
CEMEX (Rinker Materials)	Plant 110 Batch Plant	Batch Plant	Concrete
Cemex Construction Materials	Buckeye Pit #	Aggregate	Aggregates



Cemex Construction Materials	34810 Glendale Pit	Plant Aggregate Plant	Sand & Gravel Concrete
Cemex Construction Materials	Glendale Batch Plant	Batch Plant	Concrete
Cemex Construction Materials L.P.	Buckeye Batch Plant # 127	Batch Plant	Concrete
Cemex USA	West Plant # 40311	Aggregate Plant	Sand & Gravel
Cemex USA	West Plant # 110 Batch Plant	Batch Plant	Concrete
Cemex USA	El Mirage	Aggregate Plant	Aggregates
Cemex USA formerly Sunward Materials	Lehi Plant # 76	Aggregate Plant	Sand & Gravel
Cemex USA formerly Sunward Materials	Mesa Plant #61/ Batch plants A & B	Batch Plant	Concrete
Cemex USA formerly Sunward Materials	Mesa Plant #71	Aggregate Plant	Aggregates
Circle H Sand and Rock	El Mirage	Aggregate Plant	Sand & Gravel
Custom Landscape Materials LLC	Bighorn Pit	Aggregate Plant	Decorative Stone
Custom Landscape Materials LLC	Belmont Pit	Aggregate Plant	Decorative Stone
Damavand Trading LLC dba Rio Grande Materials West	Rio Grande Material West	Sand & Gravel	Sand & Gravel
Damavand Trading LLC. dba Rio Grande Material Formerly Ajax Sand & Rock	51st Avenue	Aggregate Plant	Aggregates
Dean Wade Custom Builders LLC dba Dean Wade Excavation	Ceton	Aggregate Plant	
Dos Rios Materials, LLC	Dos Rios Materials Parcel 1B	Aggregate Plant	Sand & Gravel
Fisher Industries	28th Street Hot Plant	Asphalt Plant	Asphalt
Fisher Sand & Gravel Co.	28th Street Plant	Aggregate Plant	Aggregates
Fisher Sand & Gravel, Inc	15th Ave Pit	Surface	Sand & Gravel
Fort McDowell Yavapai Materials	FMYM Plant #70	Batch Plant	Concrete
Fort McDowell Yavapai Materials	FMYM Plant #50	Batch Plant	Concrete
Gila River Lake LLC. dba Buckeye Sand & Gravel	Buckeye Plant	Aggregate Plant	Sand & Gravel
Granite Express	Berkley Pit/Pit #2	Aggregate Plant	Decorative Stone
Hanson Aggregates	51 st Ave Pit / Plant #35	Aggregate Plant	Aggregates
Hanson Aggregates	Agua Fria Plant / River Ranch, #40	Aggregate Plant	Sand & Gravel
Hanson Aggregates	Plant # 46 Hasayampa	Aggregate Plant	Aggregates
Hanson Aggregates	51 st Ave Pit / Batch Plant #35	Batch Plant	Concrete
Hanson Aggregates	Agua Fria Plant / River Ranch, #40	Batch Plant	Concrete

Hanson Aggregates	51 st Ave Pit / Hot Plant #35	Hot Plant	Asphalt
Hanson Aggregates of Arizona	San Domingo Pit / Wickenburg	Aggregate Plant	Aggregates
Hanson Aggregates of Arizona	San Domingo Pit / Wickenburg	Batch Plant	Concrete
Hanson Aggregates	Sun City Batch Plant #33	Batch Plant	
iMix Group LLC	Sun Valley	Batch Plant	
Jakes Granite Supplies, LLC.	New River	Decorative Stone	
Kilauea Crushers	Plant 2 / Jomax Plant	Aggregate Plant	Decorative Stone
Kilauea Crushers Inc.	Estrella North & South	Aggregate Plant	Aggregates
Kilauea Crushers, INC.	Picacho Mine	Aggregate Plant	Granite/Decorative Stone
Kilauea Crushers, Inc.	Buckeye Hills	Surface	
Lafarge N. America formally Sun State Rock & Materials	Sun City	Surface	Sand & Gravel
Lafarge N. America formally Sun State Rock & Materials	Cave Creek	Surface	Aggregates
Lafarge N. America formally Sun State Rock & Materials	Plant 01	Aggregate Plant	Aggregates
Lafarge North America, Inc.	Jack Rabbit	Surface	Sand & Gravel
Lafarge North America, Inc.	Jack Rabbit	Surface	Asphalt
M.R. Tanner Mining, Inc. `	West Side Pit Mine	Crush & Screen	Aggregates
Madison Granite Supply	Madison Granite Pit	Aggregate Plant	Granite/Decorative Stone
Maricopa Ready Mix	Sun City Plant # 1	Batch Plant	Concrete
Maricopa Readymix Concrete Company	Litchfield Plant - Plant # 3	Batch Plant	Concrete
Material's Delivery Inc. (M.D.I.)	Various	Aggregate Plant	Sand & Gravel
Mesa Materials, Inc.	Mesa Plant	Aggregate Plant	Aggregates
Mesa Materials, Inc.	Sun Plant # 2	Aggregate Plant	Aggregates
Mesa Materials, Inc.	Mesa Plant	Hot Plant	Asphalt
Mesa Materials, Inc.	Sun Materials Plant # 2	Hot Plant	Asphalt
Minex LLC Formerly Azco Mining	Aguila Plant		
Mission Materials Company	Sun City Asphalt Plant 05	Hot Plant	Asphaltic Concrete
Mission Materials Company	Gillespie #02	Sand & Gravel	
FORMALLY FNF Construction	Sun City Plant # 01	Sand & Gravel	Sand & Gravel
Mission Materials, a Kiewit Company			
Morton Salt, A Rohm & Haas Company	Glendale	In-Situ	Salt
Phoenix Brick Yard	Tolleson Clay Pit	Open Pit	Clay
Phoenix San Man	Litchfield / Goodyear Plant #	Aggregate Plant	Aggregates

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Phoenix San Man	Sun City Plant # 12 & 15	Aggregate Plant	Aggregates
Morton Salt, A Rohm & Haas Company	Glendale	In-Situ	Salt
Phoenix San Man	Phoenix San Man Plant # 10	Sand & Gravel	
Pioneer Landscaping Materials, Inc dba Pioneer Sand Company	ABC Pit	Sand & Gravel	Sand & Gravel
Pioneer Sand Company	Pioneer	Aggregate Plant	Sand & Gravel
Pioneer Sand Company	Hasayampa Navajo Pit / Castle	Aggregate Plant	Decorative Stone
Red Mountain Mining	Hot Springs	Aggregate Plant	Decorative Stone
Rinker Materials	Red Mountain Quarry	Aggregate Plant	Aggregates
Rinker Materials	Plant 112	Aggregate Plant	
Rinker Materials	Plant 112 Batch Plant	Batch Plant	Concrete
Rinker Materials	Plant 112 Hot Plant	Hot Plant	Asphalt
Rinker Materials	Plant 111 / 19th Ave. Batch Plant	Batch Plant	Concrete
Rinker Materials	Plant 111 / 19th Ave Pit	Aggregate Plant	Aggregates
Rinker Materials	Plant 111 / 19th Ave. Hot Plant	Hot Plant	Asphalt
Rinker Materials	Buckeye Plant	Sand & Gravel	
Rinker Materials Western Inc.	59th Avenue	Aggregate Plant	Sand & Gravel
Rinker Materials Western Inc. (CEMEX)	Hassayampa	Aggregate Plant	Sand & Gravel
Rinker Materials, Inc.	UM Plant 108 / 115th & Beardsley	Batch Plant	Concrete
Rinker Materials, Inc.	Avondale Batch Plant # 104	Batch Plant	Concrete
RMI Ready Mix	Sun City Plant	Batch Plant	Concrete
RMI Ready Mix, Inc Mix, Inc	Buckeye #76	Batch Plant	Concrete
RMI Ready Mix, Inc.	Tolleson Batch Plant	Batch Plant	Concrete
Rock Solid, Inc	Peoria Plant	Batch Plant	Concrete
Rowley Mine	Graham	Underground Mine	Wulfenite Crystals
Salt River Material Group	Buckeye Plant	Sand & Gravel	Sand & Gravel
Salt River Materials Group	67th Ave Plant	Aggregate Plant	Sand & Gravel
Salt River Materials Group /dba Salt River Sand & rock	Olive Ave	Aggregate Plant	Sand & Gravel
South West Sand & Gravel, Inc.	South West Sand & Gravel Pit	Aggregate Plant	Aggregates
Southland Well Drilling	Desert Crystal	Screening Plant	Aggregates
Spartan Industries, LLC. formerly Dos Rios Materials, LLC.	Spartan Aggregates	Aggregate Plant	Sand & Gravel

Sun Land Materials LLC.	Laveen	Aggregate Plant	Sand & Gravel
Superstition Crushing		Aggregate Plant	Aggregates
Superstition Mountain Stone, Inc.	Superstition Mountain Granite Pit	Aggregate Plant	Granite/Decorative Stone
United Metro Materials Inc DBA Rinker Materials	Arlington	Sand & Gravel	
Vulcan Materials	Plant 24-- Litchfield	Aggregate Plant	Aggregates
Vulcan Materials	Plant 12 - Sun City	Aggregate Plant	Aggregates
Vulcan Materials	Val Vista- Citrus Grove	Aggregate Plant	Aggregates
Vulcan Materials	Peoria	Aggregate Plant	Aggregates
Vulcan Materials	Avondale Plant	Aggregate Plant	Aggregates
Vulcan Materials	Plant 12 - Sun City	Batch Plant	Concrete
Vulcan Materials	Plant 12 - Sun City	Hot Plant	Asphalt
Vulcan Materials	Avondale Hot Plant	Hot Plant	Asphalt
Vulcan Materials	Peoria	Hot Plant	Asphalt
Vulcan Materials	Plant 24-- Litchfield Batch Plant	Batch Plant	Concrete
Vulcan Materials	University Plant	Aggregate Plant	
Vulcan Materials	Plant 24-- Litchfield Aggregate	Aggregate Plant	Sand & Gravel
Vulcan Materials	West Plant	Aggregate Plant	Sand & Gravel
Vulcan Materials	West Plant / Batch	Batch Plant	Concrete
Vulcan Materials	West Plant / Hot Plant	Hot Plant	Asphalt
Vulture Mining Company	New Vulture	Placer	Gold
Wesco Minerals LLC.	Rainbow Valley	Open Pit Mine	Feldspathic Sand
Western Aggregates LLC.	Plant 41	Sand & Gravel	

<b>Mohave</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	Addwest Minerals, Inc.	Gold Road Mine	Underground Mine	Gold
	C.S. McCrossan	Lake Havasu Pit	Aggregate Plant	Aggregates
	Canyon Concrete	Meadview	Aggregate Plant	Aggregates
	Canyon Concrete	Meadview Batch Plant	Batch Plant	Concrete
	Cemex USA	Bullhead City Pit # 881	Aggregate Plant	Aggregates
	Cemex USA	Bullhead City Batch Plant	Batch Plant	Concrete
	Chase Crushing aka Vista	White Hills	Aggregate	Decorative

Chase Crushing aka Vista	Regal Mist	Plant Aggregate Plant	Stone Decorative Stone Lime
Chemical Lime Company	Nelson Plant	Quarry	
City of Bullhead	Portable Powerscreen	Aggregate Plant	
Continental Golf & Construction	Beaver Dam Plant	Aggregate Plant	Sand & Gravel
D & R Excavating	D & R Portable	Aggregate Plant	Aggregates
D & R Excavating	D & R Excavating Materials Pit	Aggregate Plant	Aggregates
D. L. Campbell Company, Inc.	Sand Pit Road	Aggregate Plant	Aggregates
D. S. Mine & Development	Excelisor	Mill	Gold & Silver
D.L. Campbell Company	Chemehuevi Pit	Aggregate Plant	Sand & Gravel
D.L. Campbell Company	Hackberry	Aggregate Plant	Sand & Gravel
Dayton Lundy Rock	Dayton Lundy Rock Pit # 1	Aggregate Plant	Decorative Stone
Dayton Lundy Rock	Dayton Lundy Rock Pit # 2	Aggregate Plant	Decorative Stone
Desert Construction, Inc.	Hualapai Pit - Rosslynn Rd. Pit	Aggregate Plant	Aggregates
Desert Construction, Inc.	Hualapai Hot Plant	Hot Plant	Asphalt
Desert Construction, Inc.	Wash & Screen Plant	Aggregate Plant	Aggregates
Desert Construction, Inc.	Batch Plant	Batch Plant	Concrete
Dunbar Stone	Hualapai Chocolate	Quarry	Flagstone
Eureka Mining	Havasu Rose	Aggregate Plant	Decorative Stone
Freiday Construction, Inc.	Rattlesnake Wash Pit	Aggregate Plant	Aggregates
Georgia Pacific Gypsum LLC. FORMALY G-P Gypsum Corp. Grand Wash Excavating, Inc.	Black Rock Quarry	Quarry	Gypsum
JDI Enterprises LLC.	Meadview Portable # 1	Aggregate Plant	Sand & Gravel
JDM Sand & Rock, Inc.	DW Ranch Road Pit	Aggregate Plant	Sand & Gravel
	Little Cedar	Aggregate Plant	Aggregates
Kalamazoo Materials, Inc. aka Able Earth	Valentine Pit	Aggregate Plant	Decorative Stone
Kalamazoo Materials, Inc. aka Able Earth	Chloride Pit	Aggregate Plant	Granite/Decor ative Stone
Kalamazoo Materials, Inc. aka Able Earth	White Hills Mine	Aggregate Plant	Decorative Stone
Kalamazoo Materials, Inc. aka Able Earth	New Valentine Pit	Aggregate Plant	Decorative Stone
Keiwi Western Co.	Rinker Bullhead Pit	Hot Plant	Asphalt
Kingman Turquoise Mining Co.	Kingman Turquoise @ Mineral Park	Crush & Screen	Turquoise
McCall Construction	McCall Pit	Aggregate Plant	Aggregates

McCormick Construction	Lake Havasu Hot Plant	Hot Plant	Asphalt
McCormick Construction	McCormick Pit / Rio Lomas III	Aggregate Plant	Sand & Gravel
OZ Rock	OZ Rock	Aggregate Plant	Aggregates
McCormick Construction	Lake Havasu Pit	Aggregate Plant	Aggregates
Mercator Mineral Park	Mercator Mineral Park	Open Pit Mine	Copper
Mohave County Road Department	Hualapai Pit, #HP919991	Open Pit Mine	Aggregates
OZ Rock	OZ Rock	Aggregate Plant	
Ready Mix Inc. subsidiary of Meadow Valley	Detrital Pit	Aggregate Plant	
Red Mountain Mining dba as Mineral Park Decorative Rock	Mineral Park Rock	Aggregate Plant	Decorative Stone
Red Mountain Mining dba Mineral Park Decorative Rock	Cedar Hills Division	Aggregate Plant	Granite/Decorative Stone
Resized Rock, Inc.	White Hills	Aggregate Plant	Decorative Stone
Rock it Rock Products	Sacramento Pit	Aggregate Plant	
S & S Concrete and Materials LLC.	Pass Canyon Batch Plant	Batch Plant	Concrete
S & S Concrete Materials LLC.	Pass Canyon	Aggregate Plant	Sand & Gravel
S-2 Contractors, Inc	Sand Pit	Cement Plant	Asphalt
Sanders Western States Drilling & Blasting, Inc.	Black Rock Mine		
SGV Resources Inc.	Emerald Isle Mine	Open Pit Mine	Copper
Southern Az Paving & Const. Comp. dba Aztec Rock & Asphalt	Aztec Materials Quarry	Aggregate Plant	Aggregates
Statewide Excavation, Inc. aka	London Bridge	Aggregate Plant	Aggregates
Southwest Sand & Gravel	Road Pit	Aggregate Plant	Aggregates
SunCon dba Sunshine Concrete & Materials, Inc	Airport Pit	Aggregate Plant	Aggregates
SunRoc Materials	Beaver Dam	Aggregate Plant	Sand & Gravel
Sunshine Concrete & Materials, Inc	Airport Batch Plant	Batch Plant	Concrete
Sunshine Concrete & Materials, Inc	Mc Connico Pit / Kingman Plant	Aggregate Plant	Aggregates
Sunshine Concrete & Materials, Inc	Kingman Batch Plant	Batch Plant	Concrete
Sunshine Concrete & Materials, Inc.	Santa Fe Pit	Aggregate Plant	Sand & Gravel
Thunderbird Materials aka JDI Enterprises LLC.	Sawmill Wash Pit	Aggregate Plant	Aggregates
Western Mining and Minerals	Black Rock	Quarry	Gypsum

Navajo	Company	Mine / Plant Name	Type	Product
	Arizona Department of	White Mt. Cinder	Cinders	Cinders

Transportation	Pits		
Brimhall Sand Rock & Building Materials	Winslow Pit	Sand & Gravel	
Brimhall Sand, Rock & Building Materials	Geronimo Sand Pit	Surface	Sand, Industrial Aggregates
Brimhall Sand, Rock & Building Materials	Hardluck	Surface	
Brimhall Sand, Rock & Building Materials	Joe's Pit	Surface	Aggregates
Brimhall Sand, Rock & Building Materials	Cooley Knoll Cinder Pit	Surface	Cinders
Brimhall Sand, Rock & Building Materials, Inc.	Cottonwood Wash	Aggregate Plant	Sand & Gravel
Brimhall Sand, Rock & Building Materials, Inc.	Decker Plant	Aggregate Plant	Sand & Gravel
Brimhall Sand, Rock & Building Materials, Inc.	Decker Hot Plant	Hot Plant	Asphalt
Cholla Ready Mix	Perkins Valley Pit	Aggregate Plant	Aggregates
Cholla Ready Mix, Inc.	Woodruff Butte	Aggregate Plant	Aggregates
Hatch Construction & Paving Inc	Flake Pit	Open Pit Mine	Asphaltic Concrete
Hatch Construction & Paving Inc.	Various Mine Sites	Aggregate Plant	Aggregates
Hatch Construction & Paving, Inc.	Four Mile Pit	Aggregate Plant	Aggregates
Hatch Construction & Paving, Inc.	Four Mile Batch Plant	Batch Plant	Concrete
Hatch Construction & Paving, Inc.	Four Mile Hot Plant	Hot Plant	Asphalt
McCauley's Dyna Rock & Sand	Minnetonka	Aggregate Plant	Aggregates
McCauley's Dyna Rock & Sand	Chevelon	Aggregate Plant	Aggregates
Navajo County	First Knoll Cinder Pit	Cinders	Cinders
Perkins Cinder Company	Owens Pit	Open Pit Mine	Cinders
Perkins Cinder Company	Turly Pit	Open Pit Mine	Aggregates
Perkins Cinders fka Linden Pearce Construction	Linden Pit	Aggregate Plant	Sand & Gravel
Perkins Cinders fka Linden Pearce Construction	Linden Batch Plant	Batch Plant	Concrete
Perkins Cinders fka Linden Pearce Construction	Linden Hot Plant	Hot Plant	Asphalt
Quality Ready Mix aka Rinker	Brimhall Cottonwood	Batch Plant	Concrete
Red Rock Cinder Co.	Duke Peak	Cinders	Cinders
Reidhead Sand & Rock, Inc.	Reidhead Sand & Rock	Aggregate Plant	Aggregates
Reidhead Sand & Rock, Inc.	Reidhead Sand & Rock Batch Plant	Batch Plant	Concrete
Southwestern Stone Company	Gold Quarry	Quarry	Flagstone
Surface Contracting, Inc.	Brimhall	Hot Plant	Asphalt

Thirsty Stone Resources Western Materials, LLC	Cottonwood HTH1 Quarry Western Materials Site # 1	Quarry Surface	Sandstone Cinders
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Pima	Company	Mine / Plant Name	Type	Product
Asarco Silver Bell Mining LLC.	Silver Bell Mine	Open Pit	Copper	
ASARCO, Inc.	Mission Unit Pit	Open Pit	Copper	
Bronco Creek Exploration, Inc.	Silver Bell Mine	Exploration	Aggregates	
Cal Portland dba Twin Peaks Rock & Stone	Twin Peaks Rock & Stone	Aggregate Plant	Sand & Gravel	
California Portland Cement dba CPC Southwest Materials Inc, formerly Tucson Ready Mix	Orange Grove Plant	Aggregate Plant	Sand & Gravel	
California Portland Cement dba CPC Southwest Materials Inc.	Granite/Tangerine Plant	Batch Plant	Concrete	
California Portland Cement dba CPC Southwest Materials Inc.	Orange Grove Plant	Batch Plant	Concrete	
California Portland Cement dba CPC Southwest Materials Inc.	Orange Grove Plant	Hot Plant	Asphalt	
California Portland Cement dba CPC Southwest Materials Inc.	Swan Batch Plant	Batch Plant	Concrete	
CalPortland dba Arizona Portland Cement Company	Rillito Mill	Cement Plant	Cement/Lime	
CalPortland dba Arizona Portland Cement Company	Rillito Quarry	Quarry	Limestone	
Cemex USA	Ina Road Plant # 13	Batch Plant	Concrete	
Cemex USA	Ina Road Plant # 23	Aggregate Plant	Sand & Gravel	
Cemex USA	Apex Plant # 22	Aggregate Plant	Sand & Gravel	
Cemex USA	Pima Plant # 17	Aggregate Plant	Sand & Gravel	
Cemex USA	Pima Mine Plant # 121	Batch Plant	Concrete	
Cemex USA	Apex Plant # 12	Batch Plant	Concrete	
Churchman Sand & Gravel / Aggregate Materials	River Road	Aggregate Plant	Sand & Gravel	
Clay Mine Adobe, Inc.	Clay Mine Adobe	Open Pit Mine	Clay	
Downey, LA & Sons	Downey Sand & Gravel Pit	Aggregate Plant	Sand & Gravel	
Freeport McMoRan Copper & Gold Ajo	New Cornelia Branch	Open Pit Mine	Copper	
Freeport McMoRan Copper & Gold Sierrita	Sierrita Open Pit	Open Pit Mine	Copper	
Freeport McMoRan Copper & Gold Sierrita	Phelps Dodge Sierrita Mill	Mill	Copper	
Granite Construction Company	Swan Road Pit	Aggregate Plant	Aggregates	
Granite Construction Company	Tangerine Pit	Aggregate Plant	Aggregates	



Granite Construction Company	Swan Road Pit	Hot Plant	Asphalt
Granite Construction Company	Tangerine Pit	Hot Plant	Asphalt
Huachuca Concrete, Inc.	Wilmot Plant	Surface	Sand & Gravel
Imerys Marble	Santa Rita Mine	Quarry	Limestone
Jim Bush Sand & Gravel	Jim Bush	Aggregate Plant	Aggregates
Kalamazoo Materials, Inc. aka Able Earth	Silverbell	Aggregate Plant	Decorative Stone
Lamb Rock aka Lamb Excavation, Inc.	Sahuarita / Twin Buttes Mine site	Aggregate Plant	Decorative Stone
Minerals Research & Recovery, Inc.	Ajo Plant	Aggregate Plant	Slag
Old Pueblo Adobe Co.	Old Pueblo Adobe Pit # 1	Aggregate Plant	Clay
Oremus Material Inc.	Avra Valley	Batch Plant	Concrete
Park Corporation aka Twin Buttes Properties	Twin Buttes Mine	No Activity	Industrial Supplies
Phoenix Brick Yard	Pantano, North and South Clay Pits	Open Pit Mine	Clay
Pioneer Landscaping Materials, Inc. dba Pioneer Sand Co.	Sierra Gold Pit	Aggregate Plant	Aggregates
Pioneer Landscaping Materials, Inc. dba Pioneer Sand Co.	Waterman Pit	Aggregate Plant	Decorative Stone
RINKER MATERIALS	Cortaro Batch Plant	Batch Plant	Concrete
RINKER MATERIALS	Green Valley Plant	Batch Plant	Concrete
RINKER MATERIALS	Cortaro Hot Plant	Hot Plant	Asphalt
Rinker Materials	Poorman Rd	Batch Plant	Concrete
RINKER MATERIALS	Plant 225 Green Valley	Aggregate Plant	Aggregates
Rinker Materials	Avra Valley	Batch Plant	Concrete
RINKER MATERIALS.	Plant 1457/223	Aggregate Plant	Aggregates
Sahuarita Mining 1986, Ltd.	Cortaro Plant	Plant	
	Blue Jay	Underground Mine	Gold
Sierra Mining & Crushing LLC.	Hughes Sand & Gravel Pit	Aggregate Plant	Sand & Gravel
SKM Mining & Materials, Inc. aka MEMCO	Pantano Plant	Open Pit Mine	Aggregates
Sonora Environmental LLC. dba B & R Materials, Corp	Harrison Escalante Plant	Aggregate Plant	Sand & Gravel
Staker Parson Companies	INA Pit	Surface	Sand & Gravel
Staker Parson Companies	Green Valley	Surface	Sand & Gravel
Staker Parson Companies	Poor Man Rd. Batch Plant	Batch Plant	Concrete
University of Arizona	San Xavier Mining Laboratory	Miner Training Lab	Training
Valley Rock & Sand Company	McCann Pit	Aggregate Plant	Aggregates
Vulcan Materials	Black Angus Hot Plant (Pantano Plant)	Contractor	Asphalt
Vulcan Materials	Black Angus Pit	Aggregate	Aggregates

Vulcan Materials	Marana	Plant Aggregate Plant	Aggregates
Vulcan Materials	Marana	Hot Plant	Asphalt

<b>Pinal</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	Albo Guzman Trucking	Albo Guzman Sand & Gravel	Sand & Gravel	Sand & Gravel
	Alpha Exploration LLC.	Alpha Exploration	Exploration	Gold
	AMEC	ASARCO Ray Mine	Contractor	Engineering
	American Materials Group LLC	Queen Creek		Concrete
	Arizona Materials LLC.	Plant #2 Queen Creek	Batch Plant	Concrete
	Arizona Materials LLC. formerly Rockland Materials	Plant #2 Queen Creek	Batch Plant	Concrete
	Arizona Materials, L.L.C.	Plant #8 Florence	Batch Plant	Concrete
	Arizona Metro Mix	Arizona Metro Mix # 1	Batch Plant	Concrete
	Arizona Pacific Materials	Phoenix Cinders Pit/Queen Creek Plant	Aggregate Plant	Decorative Stone
	ASARCO, Inc.	Ray Operations	Open Pit Mine	Copper
	ASARCO, Inc.	Ray Complex	SX-EW Plant	Copper
	ASARCO, Inc.	Ray Operations Mill and Concentrator	Mill	Copper
	AZ Block 2000 LLC	AZ Block Coolidge	Contractor	Manufacturing
	BHP Billiton, Inc.	San Manuel Mine	Reclamation	Reclamation
	CalPortland Company formerly Imix	Coolidge Plant	Batch Plant	Concrete
	CalPortland Company formerly Imix	Coolidge	Surface	Sand & Gravel
	Cemex USA formerly Sunward Materials	Queen Creek Plant 75	Aggregate Plant	Sand & Gravel
	Cemex USA formerly Sunward Materials	Queen Creek Plant 65	Batch Plant	Concrete
	Cemex USA formerly Sunward Materials	Coolidge Plant	Aggregate Plant	Sand & Gravel
	Cemex USA formerly Sunward Materials	Coolidge Plant	Batch Plant	Concrete
	Chandler Rock, Inc.	Big Nob	Aggregate Plant	Granite/Decorative Stone
	Decorative Rock Sales	Little Hill Mine	Decorative Stone	Granite/Decorative Stone
	Fisher Sand & Gravel, Inc.	Florence Pit	Surface	Sand & Gravel
	Fort McDowell Yavapai Materials	Plant Sixty	Batch Plant	Concrete
	Gila Rock Products, LLC	Reymert - Superior	Aggregate Plant	Decorative Stone
	Hanson Aggregates	Queen Creek Plant 42	Aggregate Plant	Sand & Gravel
	Hanson Aggregates	Queen Creek	Batch Plant	Concrete
	Hanson Aggregates of Arizona, Inc.	Coolidge Plant # 65	Aggregate Plant	Sand & Gravel

Hanson Aggregates of Arizona, Inc.	Coolidge	Batch Plant	Concrete
Hanson Aggregates of Arizona, Inc.	Coolidge	Hot Plant	Asphalt
Harborlite Corp.	Harborlite Mine/Mill	Open Pit Mine	Perlite
JALAG Enterprises	Jalag Pit	Aggregate Plant	Sand & Gravel
Kalamazoo Materials	Durham Hills Quarry	Aggregate Plant	Aggregates
Kalamazoo Materials aka Able Earth	Bonito	Aggregate Plant	Granite/Decorative Stone
Kalamazoo Materials Inc. aka Able Earth	Amber/ desert gold	Aggregate Plant	Decorative Stone
Kalamazoo Materials, Inc. aka Able Earth	New Superior Pit	Aggregate Plant	Aggregates
Kalamazoo Materials, Inc. aka Able Earth	Old Superior Pit	Aggregate Plant	Aggregates
M.R. Tanner Mining Inc.	Queen Creek Pit Mine	Aggregate Plant	
M.R. Tanner Mining, Inc. `	Rankin Pit Mine	Crush & Screen	Aggregates
Maricopa Ready Mix	Coolidge Plant 4	Batch Plant	Concrete
Mesa Materials	Coolidge Plant	Hot Plant	Asphalt
Mission Materials Company	Casa Grande Plant 07	Surface	Sand & Gravel
Mission Materials Company FORMALLY FNF Construction	Florence Plant #3	Sand & Gravel	
Mission Materials Company FORMALLY FNF Construction	Florence Plant #3	Hot Plant	Asphalt
National Gypsum aka New NGC, Inc.	Feldman	Open Pit Mine	Gypsum
OMYA CA. Pluess-Stauffer CA, Inc.	Omya Az.	Quarry	Marble
P & P Materials LLC	P & P Materials	Sand & Gravel	Aggregates
Phoenix San Man	Coolidge Plant # 11	Aggregate Plant	Sand & Gravel
Pinal Gypsum	White Cross Mine	Open Pit Mine	Gypsum
Pioneer Sand	Picacho Peak Pit	Aggregate Plant	Aggregates
Pioneer Sand	Casa Grande Pit aka grande rose pit	Aggregate Plant	Granite/Decorative Stone
Pioneer Sand	San Tan Pit	Aggregate Plant	Aggregates
Red Hills Mining LLC	Red Hills Quarry	Aggregate Plant	Decorative Stone
Resolution Copper Mining, LLC A Rio Tinto Company	Superior Magma Mine	Underground Mine	Copper
Rinker	Plant # 640	Aggregate Plant	Aggregates
Rinker Materials, Inc.	UM Plant 1975	Batch Plant	Concrete
Rinker Materials, Inc.	UM Plant 46 17685	Aggregate Plant	Sand & Gravel
Rinker Materials, Inc.	N. Tanner Road	Batch Plant	Concrete
Rinker Materials, Inc.	UM Plant 449 / Casa Grande		
Rinker Materials, Inc.	UM Plant 449 /	Aggregate	Aggregates

Rinker Materials, Inc.	Casa Grande UM Plant 449 / Casa Grande	Plant Hot Plant	Asphalt
Rinker Materials, Inc.	Winkleman / Superior Plant 546	Aggregate Plant	Aggregates
Rinker Materials, Inc.	Plant # 142, Queen Creek	Aggregate Plant	Aggregates
Rinker Materials, Inc. Formerly Know as United Metro	Plant # 142, Queen Creek	Batch Plant	Concrete
RMI Ready Mix	Queen Creek Plant	Batch Plant	Concrete
Rock Solid, Inc	Coolidge	Batch Plant	Concrete
Rock Solid, Inc.	Queen Creek Plant	Batch Plant	Concrete
Silver King Mining, LLC	Silver King Mine	Underground Mine	Silver
Smithco Enterprises, Inc.	Bobbit Pit	Open Pit	Aggregates
Sonora Environmental formerly known as Coolidge Sand & Rock	Sonora	Sand & Gravel	Sand & Gravel
Sonora Environmental formerly known as Coolidge Sand & Rock	Sonora	Batch Plant	Concrete
Southwest Rock Products	Queen Creek / Plant 1	Aggregate Plant	Aggregates
Southwest Rock Products (Landscape)	Coolidge Plant	Aggregate Plant	Sand & Gravel
Superior Marble, LLC	Superior Marble Mill	Mill	Calcium Carbonate
T D Martin Group LLC	Pit # 525	Wash Plant	Sand, Industrial
Tee Pee Sand & Gravel	Tee Pee	Aggregate Plant	Sand & Gravel
Treasure Chest Mining	Treasure Chest Pit	Aggregate Plant	Granite/Decor ative Stone
Universal Materials, Inc. dba L. E. G. Enterprises, Inc. aka Diablo Sand & Gravel	Diablo	Aggregate Plant	Sand & Gravel
Vulcan Materials Co.	Queen Creek	Hot Plant	Asphalt
Walker Butte Granite	Walker Butte Granite	Aggregate Plant	Decorative Stone
ZEOX Corporation (DBA) White Cliffs Mining, Inc.	White Cliffs	Open Pit Mine	Diatomite

**Santa  
Cruz**

<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
California Portland Cement dba CPC Southwest Materials	Rio Rico Batch Plant	Batch Plant	Concrete
California Portland Cement dba CPC Southwest Materials Inc.	Rio Rico Plant	Aggregate Plant	Aggregates
Collins Excavating dba Rio Rico Rock & Sand	Rio Rico Plant	Aggregate Plant	Aggregates
Galaxy Minerals Inc.	Yellow Jacket & Phoenix Mines	Open Pit Mine	Gold & Silver
GRG Construction Inc.	GRG Santa Cruz # 1	Aggregate Plant	Aggregates
Rinker Materials, Inc. / Cemex	Plant 228 Nogales`	Aggregate Plant	Aggregates

Rinker Materials, Inc. / Cemex	Plant 228 Nogales Batch Plant	Batch Plant	Concrete
Southwestern Minerals Associates	Patagonia Gem	Open Pit	Turquoise

<b>Yavapai</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	A.R.A Materials , ABC Sand & Rock	A.R.A Plant	Aggregate Plant	Sand & Gravel
	A.R.A. Materials	A.R.A. Materials	Surface	Sand & Gravel
	Alberto Ayala Company	Ayala Blue Bird	Quarry	Flagstone
	Alvarado Holdings, LLC	Alvarado Mine	Surface	Gold & Silver
	APS Asphalt Paving and Supply dba Arrowhead Materials	PV Pit	Aggregate Plant	Aggregates
	APS Asphalt Paving and Supply dba Arrowhead Materials	PV Batch Plant	Batch Plant	Concrete
	APS Asphalt Paving and Supply dba Arrowhead Materials	PV Hot Plant	Hot Plant	Asphalt
	APS dba Arrowhead Materials	Chino Valley Pit	Aggregate Plant	Sand & Gravel
	AWIKA	Fairlink	Surface	Aggregates
	Bedrock Landscape Materials	Bedrock Portable Plant #1	Aggregate Plant	Aggregates
	Boss Technologies LLC.	Congress	Mill	Clay
	Brinkley Mining Inc.	Brinkley Mine	Placer	Gold
	Cemex formerly Rinker Materials	Prescott Valley	Hot Plant	Asphalt
	Cemex formerly Rinker Materials	Prescott Valley	Aggregate Plant	Aggregates
	Cemex formerly Rinker Materials, Inc.	Chino Valley	Batch Plant	Concrete
	Cemex formerly Rinker Materials, Inc.	Prescott Valley Batch Plant 551	Batch Plant	Concrete
	Charter Materials, L.L.C.	Plant 300	Aggregate Plant	Aggregates
	Charter Materials, LLC.	Plant 100	Aggregate Plant	Aggregates
	Chino Valley Materials	Schiabie / Granite Creek Pit	Aggregate Plant	Aggregates
	Cornerstone Materials	Redbird #1 & Redbird #2	Surface	Sandstone
	Dick Merritt	Last Chance Mines	Surface	Gold
	Drake Cement, LLC.	Drake Cement Plant	Cement Plant	
	Drake Stone	M.C. Canyon Quarries	Quarry	Flagstone
	Drake Stone	Rock House Quarries	Quarry	Flagstone
	Estrada Stone	The Blue Bird Place	Surface	Flagstone
	Flintstone Industries Inc.	Dewey Pit	Decorative Stone	Granite/Decor ative Stone
	Freeport McMoRan Copper & Gold Bagdad Operations	Bagdad Mine	Open Pit Mine	Copper
	G & S Gravel Incorporated	Star Placer	Aggregate Plant	Sand & Gravel

Gimel Arizona Inc. Granite Mountain Materials	Buckhorn Dosie Pit	Placer Aggregate Plant	Gold Granite/Decor ative Stone
Hanson Aggregates	Yavapai Airport Pit	Aggregate Plant	Sand & Gravel
Hanson Aggregates Hanson Aggregates	Yavapai Airport Clarkdale Plant	Batch Plant Aggregate Plant	Concrete Aggregates
Hanson Aggregates Hanson Aggregates Harley Gray Stone Harley Gray Stone	Clarkdale Batch Clarkdale Hot Plant Partridge Rattlesnake	Batch Plant Hot Plant Quarry Quarry	Concrete Asphalt Flagstone Flagstone
Hilbrands & Western Mining Co. aka International Energy & Resources Inc. aka USAR, Inc. Jakes Granite Supplies, LLC.	Little Giant Mine  Date Creek Quarry	Quarry  Decorative Stone	Gold & Silver  Aggregates
Marra-Majestic / Peters & Parker Partnership Material Delivery Inc. ( M D I)	King Pin – Pay Streak Mine Dewey Pit	Underground Mine Aggregate Plant	Gold & Silver  Decorative Stone
Mendoza Quarry Mike Mulcair Excavating Inc.	Mendoza Quarry Midpoint	Surface Aggregate Plant	Flagstone Sand & Gravel
North American Industries aka Ironite Products Onest Deal Placers	Ironite Products  Onest Deal Placer	Mine Tailings  Aggregate Plant	Fertilizer minerals Gold
Paterno Stone Co. aka Triple R Stone Paterno Stone Co. aka Triple R Stone Pine Creek Mining, Inc	Copper Queen  Bradshaw Decorative Rock Gold Basin	Quarry  Surface  Surface Placer	Decorative Stone Decorative Stone
Rinker Materials, Inc.	Plant 556 CampVerde-Cherry Pit	Aggregate Plant	Aggregates
Rinker Materials, Inc.	Plant 556 Camp Verde-Batch Plant	Batch Plant	Concrete
Rinker Materials, Inc.	UM Plant 556/Camp Verde- Hot Plant	Hot Plant	Asphalt
Rock Ridge Quarries Inc. aka 3 Wins Quarries Roy Anderson Stone Roy Anderson Stone Salt River Materials Group, dba Phoenix Cement Salt River Materials Group, dba Phoenix Cement Schuck Sand & Rock	Rock Ridge Quarries Bluebell Quarry Apache Phoenix Cement Gypsum Mine Phoenix Cement Plant Schuck Pit	Quarry  Quarry Quarry Open Pit Mine Cement Plant  Aggregate Plant	Flagstone  Flagstone Flagstone Gypsum Cement/Lime  Sand & Gravel
Stoneworld	Onyx Quarry	Quarry	Stone, Dimension
Stoneworld	Rattlesnake	Quarry	Flagstone

Sunshine Concrete & Materials dba Suncon	Canyon Paulden Pit	Aggregate Plant	Aggregates
Sunshine Concrete & Materials dba Suncon	Drake Batch Plant	Batch Plant	Concrete
United Verde Inc. AKA United Verde Materials	United Verde Pit	Aggregate Plant	Aggregates
Vanderbilt Minerals Corp.	Lyle Mine	Open Pit Mine	Clay
Weston Concrete & Materials, Inc.	Wash Plant & Batch Plant	Batch Plant	Aggregates
Yavapai County Public Works Dept.	Yavapai County	Aggregate Plant	Sand & Gravel
Yavapai Stone Quarry, LLC	Yavapai Stone Quarry	Surface	
Zerad, Inc.	Zerad	Mineral Specimens	

<b>Yuma</b>	<b>Company</b>	<b>Mine / Plant Name</b>	<b>Type</b>	<b>Product</b>
	Aztec Excavating & Materials LLC	Dateland Pit	Surface	Sand & Gravel
	BLT Companies, LLC	BLT Materials Pit	Aggregate Plant	Sand & Gravel
	BLT Companies, LLC	BLT Materials Pit	Batch Plant	Concrete
	BLT Companies, LLC	BLT Materials Pit	Hot Plant	Asphalt
	BTZ dba Zellers Excavating & Paving	Black Hill Mine	Aggregate Plant	Sand & Gravel
	BTZ dba Zellers Excavating & Paving	Black Hill Hot Plant	Hot Plant	Asphalt
	BTZ dba Zellers Excavating & Paving	Black Hill Batch Plant	Batch Plant	Concrete
	Dateland Sand & Gravel	Unit One	Aggregate Plant	
	Desert Road Builders, Inc.	Blaisedale Pit	Aggregate Plant	Sand & Gravel
	Desert Road Builders, Inc.	Yuma Pit # 1	Hot Plant	Asphalt
	Desert Road Builders, Inc.	County 19 Hot Plant		
	Desert Road Builders, Inc.	County 19 Plant	Aggregate Plant	Sand & Gravel
	H & S Developers, Inc.	Fortuna Pit 1	Aggregate Plant	Sand & Gravel
	Las Flores	Las Flores	Quarry	
	Luxcor Gold L.P.	Francher	Exploration	Gold
	Pro Mine / formerly W & L Inc.	Pro Mine Pit	Aggregate Plant	Aggregates
	Rinker Materials	County 19	Aggregate Plant	Aggregates
	Rinker Materials	Hwy - 95 Plant	Aggregate Plant	Sand & Gravel
	Rinker Materials	Hwy - 95 Plant	Hot Plant	Asphalt
	Saguaro Concrete	Rock in Roll	Aggregate	
	South West Original Rock Products	SWORP # 1	Aggregate	
	Tacna Sand & Gravel, LLC.	Roll Plant	Aggregate Plant	Sand & Gravel

Wellton-Mohawk Irrigation & Drainage District	Viper Portable Screen	Aggregate Plant	Sand & Gravel
Western M. G. LLC	Western Yuma	Placer	Gold & Silver
Yuma County Department of Public Works	Yuma Portable	Aggregate Plant	Sand & Gravel

Portable	Company	Mine / Plant Name	Type	Product
	C. S. McCrossan, Inc.	Portable Mining Equipment	Aggregate Plant	Sand & Gravel
	C. S. McCrossan, Inc.	Portable Hot Plant	Hot Plant	Asphalt
	Cemex Construction Materials, LP	Portable Crushing and Screening Spread	Crush & Screen	
	CS McCrossan, Inc	PE500	Crush & Screen	
	Desert Road Builders, Inc.	Portable Equipment	Aggregate Plant	Sand & Gravel
	F N F Construction Inc.	Portable 87-00	Hot Plant	Asphaltic Concrete
	F N F Mining Co., A division of F N F Construction	71-14 Portable Various Sites	Aggregate Plant	Aggregates
	F N F Mining Co., A division of F N F Construction	71-10 has been sold, replacement is 71-21	Aggregate Plant	Aggregates
	F N F Mining Co., a division of F N F Construction	79-03 Portable Various Sites	Aggregate Plant	Aggregates
	F N F Mining Co., A division of F N F Construction	RE 5958	Aggregate Plant	
	F N F Mining Co., A division of F N F Construction	P E # 88-00	Batch Plant	Asphaltic Concrete
	Fisher Industries, Southwest Industries	Various Mine Sites	Aggregate Plant	Aggregates
	Freeway Sand & Gravel	In Storage in Kingman	Screening Plant	
	Granite Construction Company	Various Mine Sites	Contractor	Rip/Rap
	Granite Construction Company	Various	Hot Plant	Asphalt
	GRG Construction Inc.	GRG Portable Screen # 1201	Screening Plant	Aggregates
	F N F Mining Co., A division of F N F Construction	P E # 88-00	Batch Plant	Asphaltic Concrete
	F N F Mining Co., A division of F N F Construction	P E 89-00	Batch Plant	Asphaltic Concrete
	Freeway Sand & Gravel	Storage in Kingman	Screen Plant	
	Granite Construction Company	Various Mine Sites	Contractor	Rip/Rap
	Granite Construction Company	Various	Hot Plant	Asphalt
	GRG Construction Inc.	Portable Screen	Screen Plant	Aggregates
	Hanson Aggregates of Arizona	Portable PC 54	Aggregate Plant	Aggregates
	Interstate Rock Products, Inc	Indigo Ridge Project	Custom Crushing	
	Kessen & Kessen, Inc.	Copper Hills Mine	Contractor	Revert Crushing
	Kiewit Western Co.	Portable	Aggregate	



Kiewit Western Co.	Portable	Hot Plant	Asphalt
M.R. Tanner Mining, Inc. `	Portable #1 & #2	Crush & Screen	Aggregates
McCormick Construction	McCormick	Hot Plant	Asphalt
Mercury Constructors, Inc.	Portable Hot Plant		
Mohave County Road Department	Various Mine Sites	Surface	Aggregates
	Portable	Open Pit Mine	Aggregates
Payson Concrete & Materials	Portable Plant	Aggregate Plant	Aggregates
Phoenix San Man	PC Plant 15 /	Aggregate Plant	Aggregates
Pioneer Landscaping Materials Inc.	Various Mine Sites		
dba Pioneer Sand Company	Portable Crushing	Crush & Screen	
RMC Chandler Ready Mix	Unit # 1	Aggregate Plant	Aggregates
	Various Mine Sites		
Salt River Sand & Gravel /Salt River Materials Group	Portable Equipment	Aggregate Plant	Aggregates
Smithco Enterprises, Inc.	Various Mine Sites	Aggregate Plant	Silica Smelter Flux
Southwest Rock Products	Various Mine Sites	Aggregate Plant	Sand & Gravel
Staker Paving and Construction	Aztec Asphalt Plant	Hot Plant	Asphalt
	Portable		
Sun Valley Mining Company aka Superstition Crushing	Various Locations	Aggregate Plant	Aggregates
Sundt Construction Inc.	Portable Soil Cement Plant	Batch Plant	Soil Cement
Sundt Construction Inc.	Soil Cement Plant	Aggregate Plant	Soil Cement
Superstition Crushing	all portable equipment	Aggregate Plant	Aggregates
Tri County Materials / AKA Morris Sand & Gravel	Various Mine Sites	Aggregate Plant	Aggregates
Wheeler Construction aka WCI Mining LLC.	Various Locations	Aggregate Plant	Aggregates

Statewide	Company	Mine / Plant Name	Type	Product
	5D Mining & Construction Inc. Formerly E & N Mining & Construction, Inc.	Various Mine sites	Contractor	Maintenance
	A & H Contracting Services, Inc	Carlotta Copper Mine	Contractor	Maintenance
	A-O Painting, Inc.	Various Mine Sites	Contractor	Maintenance
	Accurate Steel LLC	Various Plants	Contractor	
	Ace Pipe Cleaning	Various Mine Sites	Contractor	Maintenance
	Acme Lift Company	Various Locations	Contractor	
	Adams Contracting and Excavating, LLC (formerly)Blasting Contractors	Contractor	Drilling & Blasting	Blasting
	Advanced Lining Solutions, Inc. / aka M & C Plastech, Inc.	Various Mine Sites	Contractor	Maintenance
	Agate Inc.	Various Location	Contractor	
	Air Conditioning Maintenance	Various Mine Sites	Contractor	Maintenance

Air Liquide	Various Mine Sites	Contractor	Manufacturing
Aker Kvaerner Industrial Constructors, Inc.	Various Mine Sites	Contractor	Construction
Allen Pumps, Inc.	Various Locations	Contractor	
AMEC	ASARCO Ray Mine	Contractor	Engineering
Amec E & C Services, Inc	Contractor	Engineering	Amec E & C Services, Inc
American Welding LLC	Various	Contractor	
Applied Diving Services, Inc.	Various Mine Sites	Contractor	
Aricon 3, Inc.		Contractor	Maintenance
Arizona Equipment Fabrication LLC	Various Mine Sites	Contractor	Maintenance
Arizona General Engineering / A.G.E. Contracting Inc.	CPC Rio Rico	Contractor	Aggregates
Avecia, Inc. AKA Cytec	Various Mine Sites	Contractor	Safety Supplies
AZ Block 2000 LLC	AZ Block Coolidge	Contractor	Manufacturing
B & W Commercial	Freeport-McMoran Morenci	Contractor	Maintenance
B. J. Cecil Trucking, Inc.	Various Mine Sites	Contractor	Materials Transport
Baker Construction, LLC	ASARCO Ray Mine	Contractor	
Bar T Equipment	Various Mine Sites	Contractor	
Barcon Corporation	Various Mine Sites	Contractor	Construction
Beta Engineering	Various Location	Contractor	Construction
Boart Longyear	Statewide Locations	Contractor	Exploration Drilling
Bob's Diesel Service	Various Mine Sites	Contractor	Maintenance
Bonita Steel Builders, Inc.	Various Mine Sites	Contractor	Construction
Bowen Machine & Fabricating, Inc.	Various Mine Sites	Contractor	Construction Maintenance
Brandenburg Industrial Service Co.	Various Mine Sites	Contractor	Demolition
Brown Tank & Steel Fabricators & Erectors, Inc.	Various Mine Sites	Contractor	Equipment Service
Bud's Electric	Various Mine Sites	Contractor	Construction
Burk's Valley Sanitation, LLC.	FMI Morenci Mine	Contractor	Maintenance
Caid Industries, Inc	Various Mine Sites	Contractor	
Canyon Country Contracting Company	Various Mine Sites	Contractor	Construction
Caribou Inc.	Various Mine Sites	Contractor	Maintenance
Catalina Well & Pump, LLC	Various Mine Sites	Contractor	Maintenance
Caterpillar, Inc.	Tucson Proving Grounds & Various Mine Sites	Contractor	Industrial Supplies
CCC Group Inc.	Various	Contractor	
Cementation U.S.A.	Resolution Copper Project	Contractor	
Centimark Corp.	Various Mine Site	Contractor	
Ch2m Hill Engineers Inc	Various Mine Site	Contractor	Engineering
Cham Hill Contractors, Inc	Resolution Copper	Contractor	
Chapman Electrical Contracting, Inc.	Various Mine Sites	Contractor	Construction
Chattanooga Boiler & Tank Company	Various Mine Sites	Contractor	Maintenance

Chemical Transportation, Inc.	Various Mine Sites	Contractor	Maintenance
Cimetta Engineering & Construction Co., Inc.	Various Mine Sites	Contractor	
Cindy Taylor Trucking & Construction	Black Rock	Contractor	
Circle JMR Corporation	Various Mine Sites	Contractor	Maintenance
Cisco Salvage	Phelps Dodge Morenci	Contractor	Salvage
Classic Lightning Protection, Inc	Various Mine sites	Contractor	
Cobre Tire / GCR Tire Centers	Various Mine Sites	Contractor	Tire Maintenance
Commercial Steel Systems	Contractor	Engineering	Commercial Steel Systems Maintenance
Con-Wear Products, Inc.	Various Locations	Contractor	
Concrete Restoration System, Inc	ASARCO Hayden Operations	Contractor	
Concrete Restoration Systems, Inc. (CRSI)*	Various Mine Sites	Contractor	Construction
Concrete Sawing & Coring Inc..	Various Mine sites	Contractor	
Copperstate Industrial Inst. Inc.	Various Mine Sites	Contractor	Maintenance
Copperstate Industrial Services Inc.	Various Mine Sites	Contractor	Maintenance
Cornell Metro Phoenix	Various Mine Sites	Contractor	
CTI Leasing	Various Mine Sites	Contractor	Material Transport Maintenance
Cummins Southwest, Inc.	Various Mine Sites	Contractor	Construction
Custom Saw Cuts, Inc.	Various Mine Sites	Contractor	Maintenance
Czerniski's Track Service	Various Mine Sites	Contractor	Manufacturing
Dakota Fabricating, Inc.	Various Mine Sites	Contractor	
Dalmolin Excavating	Various Locations	Contractor	
Dalmolin Excavating, Inc.	Various Mine Sites	Contractor	Mechanical Services Reclamation
DBR Electric Inc.	Various Mine Sites	Contractor	
DC Cattle Company	Various Mine Sites	Contractor	
Desert View Electric, Inc	Carlota Copper	Contractor	
Dick Merritt	Copperstone Mine	Contractor	Gold
Diversified Drilling Inc.	Various Mine Sites	Contractor	Exploration Drilling
DJ's Companies, Inc	Carlota	Contractor	
DRILL-TECH INC.	ASARCO- RAY	Contractor	Water Well Drilling
Dynamic Rock Solutions LLC.	Various	Contractor	
Eagle Steel Erectors, Inc	Carlota Copper Company	Contractor	
Earth Quest Plumbing, LLC	BHP- Pinto Valley	Contractor	
Eco-Edge Co. Formerly	Various Locations	Contractor	
Emissions Products International			
Elbe Equipment	Various Mine Sites	Contractor	Drilling & Blasting
Eltech	Various Mine Sites	Contractor	Maintenance
Empire Southwest, LLC	Various Mine Sites	Contractor	Maintenance
Envirosure Solutions LLC	Various	Contractor	
F. L. Schmidt, Inc.	Phoenix Cement	Contractor	Construction

	Company		
Fann Contracting	Various Mine Sites	Contractor	Construction
Far West Insulation Contractors / AKA Thorpe Insulation Company	Various Mine Sites	Contractor	Maintenance
Fisher Sand & Gravel dba Arizona Drilling and Blasting	Various Mine Sites	Contractor	Decorative Stone
Fletchers Tire & Auto Service	Various Mine sites	Contractor	Fleet Maintenance
FLUOR	Various Mine Sites	Contractor	
G.T.S. Electric		Contractor	
Genelco, Inc.	Various Mine Sites	Contractor	Maintenance
General Electric International, Inc.	Various Mine Sites	Contractor	Maintenance
GeoTemp Inc.	Various Mine Sites	Contractor	Contract Labor
Gila Geological Consultants L.L.C	Various Locations	Contractor	
Gila Geological Consultants LLC.	Various Locations	Contractor	
Gilbert Electric Company, Inc.	Various Mine Sites	Contractor	Maintenance
Gold Canyon Mining & Construction aka American Asphalt and Grading Co. (mining)	Carlota Copper Company	Contractor	Excavation
Golder Associates, Inc.	Various Locations	Contractor	Construction
Gooch Welding	Various Mine Sites	Contractor	Construction
Granite Construction Company	Various Mine Sites	Contractor	Maintenance
Granite Construction Company	Various Mine Sites	Contractor	Rip/Rap
GroundProbe NA LLC	BHP Billiton Pinto Valley Operations	Contractor	
H & S Field Services, Inc.	Various Mine Sites	Contractor	Mechanical Services
Hagemeyer North America	Various Mine Sites	Contractor	Safety Supplies
Hamon Custodis	Various Mine Sites	Contractor	Maintenance
Hansen Land Surveying Inc.	Various Mine Sites	Contractor	Maintenance
Haralsons Auto Part	Phelps Dodge Morenci	Contractor	Maintenance
HCS	Various Mine Sites	Contractor	
Heritage Trucking Inc.	Various Mine Sites	Contractor	Materials Transport
Howard Air	Carlota Copper Mine	Contractor	
Howe Precast Concrete Barrier, Inc.	Various	Contractor	Concrete
Hunter Contracting Co.	Various Mine Sites	Contractor	Construction
Industrial Tool and Supply	Various	Contractor	Industrial Supplies
Interclean Equipment, Inc	Carlotta Copper Mine	Contractor	
International Lining Technology	Various	Contractor	
Ironco Enterprises, LLC	Various Mine Sites	Contractor	
J & D Excavators	Various Mine Sites	Contractor	Drilling & Blasting
J.S. Redpath Corp.	Arizona # 1 Project	Contractor	Uranium
JaLin Enterprises, Inc.		Contractor	Maintenance
James Hamilton Construction Co.	Various Mine Sites	Contractor	Construction
Jays Construction	Morenci Mine	Contractor	Construction
JM Excavating	Various Mine	Contractor	Excavation

Jonovich Companies, Inc. Kessen & Kessen, Inc.	Locations		
	Various Mine Sites	Contractor	Maintenance
	Copper Hills Mine	Contractor	Revert Crushing
Kitchell Contractors aka Kitchell Environmental	Various Mine Sites	Contractor	
Klondyke, LLC General Contractors	Various Mines	Contractor	
Kone Cranes, Inc		Contractor	
L.P.R Construction Co.	Carlota Copper Company	Contractor	
Lamb Excavation, Inc.	Various Mine Sites	Contractor	Excavation
Lang Exploratory Drilling	Various Mine Sites	Contractor	Exploration Drilling
Lang Wyatt Construction	Various Mine Sites	Contractor	Construction
Laron Inc. / Industrial Motor Control	Various	Contractor	
Layne Christensen Company	Various Mine Sites	Contractor	Exploration Drilling
Ledcor Industries (USA) Inc.	Various Mine Sites	Contractor	
Liebherr Mining Equipment Co	Various Mine Sites	Contractor	Materials Transport
M.W.H. Americas	Various Mine sites	Contractor	
Mag-Trol Arizona, Inc. aka Arizona Electrical Apparatus	Various Mine Sites	Contractor	Construction
Major Drilling America	Various Locations	Contractor	
Massie Electric	ASARCO Hayden	Contractor	
Maxim Crane Works		Contractor	Safety Supplies
Meridian Engineering Company	Various Mine Sites	Contractor	Maintenance
Metal Management Arizona, LLC	Various Locations	Contractor	
Millwork By Design, Inc.		Contractor	Maintenance
Morris Material Handling	Various Mine Sites	Contractor	Maintenance
Mountain Power Electrical Contractor, Inc.	Various Mine Sites	Contractor	Maintenance
N.A. Degerstrom Inc.	Statewide	Contractor	Copper
Nielsons Skanska Inc.	Statewide	Contractor	
North Houston Pole Line	Various Locations	Contractor	Construction
O'Keefe Drilling		Contractor	
OPTCO Industrial Coatings	Various Mine Sites	Contractor	Maintenance
OTTO Trucking Inc.	Various Mine Sites	Contractor	Materials Transport
P & H Mine Pro Services	Various Mine Sites	Contractor	Maintenance
Parelectrical Contractors	Various Locations	Contractor	
Parsons Steel Erectors, Inc.	Various Mine Sites	Contractor	Construction
Pelto Enterprises	Phelps Dodge Morenci	Contractor	Reclamation
Phillips Kiln Services	Various Mine Sites	Contractor	Maintenance
Plasite Protective Coatings	Various Mine Sites	Contractor	Maintenance
Power T & E		Contractor	
Purcell's Western State Tire	Various Mine Sites	Contractor	Maintenance
R. E. Lee Mechanical Contracting	Contractor	Maintenance	
R. E. Monks Construction	Various Mine Sites	Contractor	Construction
RAM Enterprise Inc.	Various Locations	Contractor	Engineering

RAM Painting	Various Mine Sites	Contractor	Maintenance
REB Industrial Maintenance, LLC	Various Mine Sites	Contractor	Maintenance
Recon Refractory Construction, Inc.	Various Mine Sites	Contractor	Maintenance
Revegetation Services	San Manuel Mine	Contractor	Fertilizer minerals
Rincon LLC		Contractor	Equipment Service
Road Machinery Company	Various Mine Sites	Contractor	Maintenance
Robson Ranch Construction Co.	Contractor	Aggregates	
Land Development			
Rock Biter Crushing, LLC	Various Locations	Contractor	
Rock Breakers Construction Inc.	Various Mines	Contractor	Drilling & Blasting
Rodeo Welding, Inc.	Various Mine Sites	Contractor	
Ruen Drilling, Inc.	Various Mine Sites	Contractor	Exploration Drilling
Rural AZ Maintenance Specialist	Various Mine Sites	Contractor	Materials
dba RAM Specialist			Transport
S & M Construction, Inc.	Phelps Dodge Morenci	Contractor	Construction
S H Engineering & Mfg. LLC.	Various Mine Sites	Contractor	
S. A. S. Industrial Maintenance Corp.	Various Mine Sites	Contractor	Maintenance
Sako, Inc.	Various Mine Sites	Contractor	Maintenance
Saulsbury Electric Co., Ltd	Various Mine Sites	Contractor	
Service Insulation Systems, Inc	Various Mine Sites	Contractor	Maintenance
SOS Staffing	Various Sites	Contractor	
Southern Power Systems, Inc.	Various	Contractor	Construction
Southwest Energy Systems	Contractor	Contractor	Maintenance
Southwest Energy, LLC	Various Mine Sites	Contractor	Drilling & Blasting
Southwest Hazard Control, Inc.	Various Mines	Contractor	
Southwest Industrial Rigging	Contractor	Construction	
Stanley Security Solutions	Various Mine Sites	Contractor	Maintenance
Stebbins Engineering & Manufacturing Company	Various Mine Sites	Contractor	Maintenance
Stewart & Stewart Industrial Electric	Various Locations	Contractor	
Stewart Brothers Drilling	Various Mine Sites	Contractor	Drilling
Sturgeon Electric	Various Mine Sites	Contractor	Maintenance
Sundt Corporation, Inc.	Various Mine Sites	Contractor	Construction
TB Contractors, Inc.	BHP Copper - Superior Mine	Contractor	Construction
Terra Nova Technologies	various sites	Contractor	Engineering
The Industrial Company aka TIC	Various Mine Sites	Contractor	Maintenance
Thomason's Welding	Various Sites	Contractor	
Thyssenkrupp Bobins, Inc	ASARCO Ray Mine	Contractor	
Trout Company, LLC formerly Regcon, Inc.	Various Mine Sites	Contractor	Concrete
Vance International, Inc.	Various Locations	Contractor	
VCP Incorp. / Sunset Marble Company, LLC.	Copper Chief Mine	Contractor	Drilling & Blasting
Vezer's Precision Industrial Constructors International	Various Mine Sites	Contractor	

VIP International	Various Mine Sites	Contractor	Maintenance
Volts DC Automation LLC	Contractor	Mechanical	
Vroom Engineering & Mfg	Various Mine Sites	Contractor	Maintenance
Weatherguard Metal Construction, Inc	ASARCO LLC	Contractor	
Western Explosives Systems (WESCO), Inc.	Hayden Operations		
Western Industrial Mechanical	Various Mine Sites	Contractor	Drilling & Blasting
Western States Drilling and Blasting, Inc.	Various Mine Sites	Contractor	Maintenance
WW Williams / AKA Williams	Various Mine Sites	Contractor	Drilling & Blasting
Detroit Diesel-Allison			Maintenance
Yellow Jacket Drilling		Contractor	
Young & Sons Contracting, Inc	Various Mine Sites	Contractor	Soil Cement
Zachry Construction Corporation	Various Mine Sites	Contractor	Construction

## Education and Training

The Education and Training Program provides the mandatory federal mine safety training to the Arizona mining community. Requests for safety training from Arizona mine operators, contractors and miners is in great demand. Federal Mine Safety and Health Administration (MSHA) mandate that all miners under MSHA jurisdiction must have New Miner and Annual Refresher safety training. This includes all mine employees, contractors, vendors and/or individuals who enter a mine property on a scheduled or consistent basis; all are designated as MINERS. Mine properties under MSHA jurisdiction include all surface and underground coal, metal or non-metal mines such as gold, silver, copper, and uranium mines. Aggregate mines such as sand and gravel, limestone, flagstone, decorative rock, cinder, etc. By law, thousands of Arizona and other United States miners must be trained and retrained yearly. Without this training, mines could not operate!

The Education and Training Program and its staff are able to provide this training to the Arizona mining community free of charge because of the federal MSHA grant and State allocations specifically dedicated to the purpose of mine safety training to all miners. These grants and allocations give the Arizona State Mine Inspector's Office (ASMI) the ability to staff the Education and Training Program and to travel throughout Arizona with updated materials and equipment to provide quality training. ASMI data shows that an average of 6,500 miners are trained on an annual basis. The trainers issue certificates for CFR Parts 48 and 46: Annual Refresher (AR) Surface Coal, Metal or Non-Metal, AR Underground – all 8 hour class. New Miner Inexperienced (NMI) Surface Coal, Metal or Non-Metal - 16 hour class (2 days) and FA/CPR/BBP - 6 to 8 hour class. These classes are also conducted in Spanish. Subject matter covered in these classes include: The Federal Mine Safety and Health Act – 1977. Code of Federal Regulation CFR Title 30: Parts - 46, 47, 48, 50, 56, 57, 62 and 70. The Mining Code of the State of Arizona which contains the Arizona Revised Statutes, Rules & Regulations.

Other topics covered include: Mandatory Health & Safety Standards - Statutory Rights and Responsibilities of Miners - Authority & Responsibility of Supervisors & Miners

Representatives - Drug & Alcohol Free Workplace Issues & Programs - Transportation and Communication Controls - Noise and Respiratory Health Standards - Mine Hazard Recognition - Prevention of Accidents - Ground Control Issues – Fall of Ground – Explosives - Electrical Hazards – Lock Out Tag Out - Hazard Communication – The Miners Right to Know - MSDS (Chemical Hazards) - Emergency and Escape Procedures – Fire Prevention - Underground Hazards and Issues – Mine Gases – Basic First Aid, CPR, BBP, AED, Shock, Control of Bleeding, & Body Injuries - Abandoned Mines Safety Awareness.

In 2008 the E & T department conducted two (2) IT – Instructor Trainer / Train the Trainer sessions. The 40 hour 5 day sessions were conducted in February and June. A total of ten (10) students completed the course and the Education & Training instructors made recommendations to MSHA that the 10 students be certified as blue card instructor trainers.

During the 2008 training year 6,231 students completed safety training through the Education and Training Program.

Miners, Contractors, Others.....	5, 804
First Aid / CPR / BBP.....	417
Instructor Trainer.....	10
Total.....	6,231

The Arizona State Mine Inspector’s Education & Training Program is dedicated to quality and professional training. Its staff’s priority is to relay and remind in an honest, understanding and forceful manner to all miners of our greatest responsibility. That greatest responsibility is the goal of beginning and completing a good safe day of work, then returning home to your family and friends.

In addition to providing training, the Education and Training Program maintains a “free lend” video library to the mining community to aid in safety training programs.

### Abandoned Mines Inventory and Remediation

The Abandoned Mine program responsibilities are to inventory abandoned mine sites throughout the 72, 931,840 acres that comprise the State of Arizona and to coordinate the closure of these mines. There have been 10,000 inventoried and 3,365 evaluated to date. This inventory and evaluation is critical, since abandoned mines may pose a serious threat to public health and safety. While many sites are shallow prospects, others have dangerous shafts and tunnels. Forty-four public complaints of abandoned mines were received in 2008. The complaints come from private citizens, local officials, and law enforcement concerned about mines and the public’s safety. Complaints are investigated as soon as possible following their receipt. If the mine is in an area previously inventoried,



the file is consulted to determine the conditions. A field crew is then detached to investigate the site, making a photographic record of the site and detailing the conditions found. The county is contacted for determination of the owner or claimant. A warning letter is issued informing the owner of his legal responsibilities under the law. The owner must respond with plans within 60 days of notification. In the rare case of the owner not responding, the matter may be turned over to the county prosecutor for further follow-up. Ownership or responsibility for abandoned mines is difficult or impossible to determine in most instances. When no responsible party can be found, the State must take responsibility for mine closure.

### Abandoned Mines Fatal and Serious Accidents

**On January 18, 2008**, Tyler Halverson, a 19-year-old man fell into an abandoned mine shaft northeast of the intersection of Saddle Mountain Road and 32nd Street near Cave Creek. Tyler Halverson was standing by a campfire when he stepped back and suddenly fell in an abandoned mine shaft located approximately four feet from where he had been standing. He **died** as a result of his injuries.

**On September 8, 2008**, at approximately 11:00 pm, NACO Border Patrol Agents apprehended a group of fourteen illegal aliens south of East Montezuma Canyon. The group notified the agents that an individual in their group had fallen into an abandoned mineshaft nearby. At 11:20 am, agents discovered the mineshaft and requested air support and BORSTAR for medical assistance and assistance with extraction. It was apparent that the man had **injuries** to both his legs and to his back. At approximately 12:30 pm, Border Patrol Agents, Fry Fire Department, and members of the Cochise County Search and Rescue team were able to extract the man from the mineshaft. The man was then transported by Life Flight to the hospital for further medical treatment.

**On December 21, 2008**, agents from the Douglas Border Patrol Station received a call from Mexican law enforcement informing that they received a phone call from a third party concerning of an individual that had fallen into a mine shaft and was severely injured 7 miles east of Douglas, Arizona. Agents began searching the area and were able to locate the individual, a 45 year old Mexican national male who fell over 35 feet into an abandoned mine shaft and **was unable to move due to a possible broken hip**. Border Patrol Search and Rescue (BORSTAR) Agents and Cochise County Sheriff's Department Search and rescue (CCSSR) units arrived on scene and were able to rappel into the mine shaft and stabilize the man. The Search and Rescue Teams successfully extracted the man from the mine shaft and safely transported him to a local hospital in Tucson, Arizona

### Mined Land Reclamation

Arizona's Mined Land Reclamation Act and Rules requires all metalliferous mines with five or more acres of disturbance on private land to submit reclamation plans and financial assurance mechanisms to the State Mine Inspector for review and approval. Approved plans require mine operators to submit annual status report updates. In 2008, the annual status updates received, reported an approximate total of 112 acres of mined lands were

reclaimed in 2008, and 2946 acres of new disturbance were reported during the yearly reporting period. An estimated 5587 acres of mined lands have been reclaimed through 2008. According to the reportable mine sites for the metalliferous (hardrock) mining industry, the Arizona State Mine Inspector estimates approximately 64,551 acres have been disturbed through reportable years up to 2008.

<b>Company</b>	<b>Mine Site</b>	<b>Acres Reclaimed</b>	<b>Acres Disturbed</b>
Addwest Minerals	Gold Road	0	0
ASARCO	Hayden	0	0
ASARCO	Mission	0	1
ASARCO	Ray	0	88
ASARCO	Santa Cruz	0	0
Silver Bell LLC (Asarco)	Silver Bell	0	5
BHP Billiton	Miami Unit	0	0
BHP Billiton	Pinto Valley	0	0
BHP Billiton	San Manuel	10	0
Resolution Copper (BHP)	Superior	0	0
Merrill Mining (old BHP Copper)	Florence	0	0
BHP Copper	McCabe	----	----
Carlota Copper Co.	Carlota		238
Mineral Park, Inc. (old Equatorial/Cyprus)	Mineral Park	0	0
Nord Resources	Johnson Camp	----	--
Freeport-McMoRan (Phelps Dodge) Mining	Ajo mine	----	----
Freeport-McMoRan (Phelps Dodge) Mining	Bagdad	0	35
Freeport-McMoRan (Phelps Dodge) Mining	Miami	0	29
Freeport-McMoRan (Phelps Dodge) Mining	Morenci	0	336
Freeport-McMoRan (Phelps Dodge) Mining	Sierrita	0	9
Freeport-McMoRan (Phelps Dodge) Mining	Twin Buttes	100.5	1421
Freeport-McMoRan (Phelps Dodge) Mining	Safford	1	784
<b>Total</b>		<b>112</b>	<b>2946</b>